

Curriculum Vitae

– Frank Bungartz, PhD–

Date & Place of Birth	October 26	Rheinbach, Germany	
Nationality	1967	German	
Marital Status		Married	
Schools	1974 - 1978	Franziskussschule , Euskirchen, Germany	
	1978 - 1987	Marienschule , Euskirchen, Germany	
Languages		German (native language), English (fluent), Spanish (fluent), French, Botanical Latin	
Military Service	1987 - 1988	In Achern and Andernach, Germany	
	June 5, 1990	Granted the Status of a Conscientious Objector	
Bonn University	1988 - 1991	Bachelor's Program , Biology (Grundstudium)	
	January 1991	Bachelor's Degree , Biology (Vordiplom)	
University of East Anglia Norwich, U.K. (ERASMUS)	1992 - 1993	Ecology Program, Research Project: Lichen communities on tombstones along a transect of six Norfolk Churchyards	
Bonn University	1993 - 1996	Master's Program (Hauptstudium) <i>Major:</i> Biology, <i>Minor:</i> Geography	
	Spring 1995	Final Exams: Botany, Zoology, Geography	
	1995 - 1996	Thesis: Distribution and phytosociology of the vascular plants, bryophytes and lichens in the Brodenbach Valley, Mosel	
	Spring 1996	Optional Exam: Geobotany and Conservation	
	April 26, 1996	Master of Science, Biology (Biologie Diplom)	
Professional Experience	1996 - 1999	Field Studies Center Eifel , Nettersheim, Germany: Guided Tours, Field Trips, Workshops	
	1997 - 1998	State Institute of Ecology (LÖBF) , Germany: Long-term monitoring of bryophyte and lichen vegetation in unmanaged (non-interventional) woodlands in Nordrhein-Westfalen, Germany	
	2001 - 2003	USDA Forest Service Inventory and Analysis (FIA): Teaching workshops on species identification Publication of a Macrolichen Field Guide	
Arizona State University U.S.A.	January 1999	Ph.D. Dissertation: The Lichen Genus <i>Buellia</i> De Not. in the Greater Sonoran Desert Region: Saxicolous Species with one-septate Ascospores	
	May 2004	Independent Research: Endolithic growth of the Sonoran Desert lichen <i>Verrucaria rubrocincta</i> Breuss - Implications for biodeterioration and biomineralization	
Botanische Staatssammlung München , Germany	June 2004 - May 2005	LIAS –Global Information System for L ichenized and N on-Lichenized A scomycetes; Online Glossary of Ascomycetes	
Naturkundemuseum Karlsruhe , Germany	May – June 2005	BIOTA Project: Saxicolous Species of the Lichen Genus <i>Buellia</i> in the Namib Desert, Namibia.	
Naturhistorika Rijksmuseum , Sweden	August 2005	SYNTHESYS-Grant: Epiphytic Species of the Lichen Genus <i>Buellia</i> in the Greater Sonoran Desert Region	
Charles Darwin Foundation (CDF) Puerto Ayora Galapagos Islands Ecuador	October 2005 2006 - 2008 March 2008 since January 2009	Cryptogamic Botanist: Senior Scientist, Botany Department Acting Head of CDF Botany Department Head of Natural History Collections Theme Leader: Research Program Galapagos Biodiversity Assessment	
	Bonn, Germany	Nov. 2014 - June 2017	Adjunct Scientist (CDF Galapagos Lichen Inventory)
Arizona State University (ASU) Tempe, Arizona, USA	since July 2017	Collections Manager of Lichens & Digital Data (ASU Herbarium)	

Publications

DISSERTATION

1. **Bungartz, F.** (2004) The Lichen Genus *Buellia* De Not. in the Greater Sonoran Desert Region: Saxicolous Species with one-septate Ascospores. – Ph.D. Dissertation, Arizona State University, Tempe.

MASTER'S THESIS

2. **Bungartz, F. & Ziemmeck, F.** (1996) Floristische, arealkundliche und pflanzensoziologische Untersuchungen der Gefäßpflanzen-, Moos- und Flechtenvegetation des Brodenbachtals / Mosel. – Diplomarbeit, Rheinische Friedrich-Wilhelms Universität Bonn

EDITED BOOKS

3. Bates, S., **Bungartz, F.**, Lücking, R., De Los Ángeles Herrera Campos, M., Zambrano, A. (eds.) (2011) Biomonitoring, Ecology, and Systematics of Lichens: Recognizing the Lichenological Legacy of Thomas H. Nash III on his 65th Birthday. *Bibliotheca Lichenologica* 106: 1-435.
4. Nash III, T.H., Ryan, B.D., Gries, C. & **Bungartz, F.** (eds.) (2002) Lichen Flora of the Greater Sonoran Desert Region. Volume 1. *Lichens Unlimited*, Tempe. 532 pp.
5. Nash III, T.H., Ryan, B.D., Diederich, P., Gries, C. & **Bungartz, F.** (eds.) (2004) Lichen Flora of the Greater Sonoran Desert Region. Volume 2. *Lichens Unlimited*, Tempe. 704 pp.
6. Nash III, T.H., Ryan, B.D., Gries, C. & **Bungartz, F.** (eds.) (2008) Lichen Flora of the Greater Sonoran Desert Region. Volume 3. *Lichens Unlimited*, Tempe. 567 pp.

FIELD GUIDES

7. **Bungartz, F.**, Rosentreter, R. & Nash III, T. H. (2002) Field Guide to Common Epiphytic Macrolichens in Arizona. *Arizona State University Lichen Herbarium*, USDA Forest Service, Tempe. 95 pp., available on CD-Rom from the author.

8. **Bungartz, F., Nugra, F., Guëzou, A. & Ziemmeck, F. (2009)** Guía rápida de líquenes de las Islas Galápagos. Versión 1. Fundación Charles Darwin, Puerto Ayora, 51 pp.
9. **Bungartz, F., Nugra, F., Guëzou, A. & Ziemmeck, F. (2010)** Guía rápida de líquenes de las Islas Galápagos. Versión 2. Fundación Charles Darwin, Puerto Ayora, 106 pp.
10. **Bungartz, F., Yáñez-Ayabaca, A., Nugra, F. & Ziemmeck, F. (2013)** Guía rápida de líquenes de las Islas Galápagos. Versión 3. Fundación Charles Darwin, Puerto Ayora, 106 pp. *available at:*
http://checklists.datazone.darwinfoundation.org/media/rapid_guides/2013_Bungartz_et_al_Liquenes_GuiaRapidaCompleto_Version3_1.pdf

POPULAR BOOKS & OUTREACH

11. **Bungartz, F. (2016)** Lichen Diversity – unexpected interactions among overlooked blotches and splotches. *In:* De Roy, T. (ed.): Galapagos – Preserving Darwin’s Legacy, second edition. Bateman. New Zealand. pp. 53-59.
12. **Bungartz, F. (2009)** Lichen Discoveries – bright bold color specks, tiny and overlooked. *In:* De Roy, T. (ed.): Galapagos – Preserving Darwin’s Legacy, first edition. *Bateman*. New Zealand. pp. 53-59.
13. **Bungartz, F. (2014)** A lot to like - Discover the surprising world of lichens. National Geographic Extreme Explorer. January-February 2014. *available at:*
http://ngexplorer.cengage.com/explorer/1401/pdf/ex_teachersguide_1401.pdf

BOOK CHAPTERS

14. **Bungartz, F. (2018)** Liquen con clavos espinosas del gladiador. *In:* Fundación Charles Darwin (FCD) & WWF Ecuador (eds.): Atlas de Galápagos, Ecuador: Especies Nativas e Invasoras. *FCD & WWF*. Quito, pp. 68-69.
15. **Bungartz, F., Ziemmeck, F., Tirado, N., Jaramillo, P., Herrera & H., Jiménez-Uzcátegui, G. (2012)** The neglected majority – biodiversity inventories as an integral part of conservation biology. *In:* Wolff, M. & Gardener, M. (eds.) *The Role of Science for Conservation*. *Routledge*. New York, pp. 119-142.
16. **Bungartz, F., Grube, U., Elix, J.A., Heininger, C. & Mayrhofer, H. (2011)** A taxonomic revision of the *Buellia subalbula*-group in the Southern Hemisphere using fluorescence microscopy. *In:* Bates, S., **Bungartz, F.**, Lücking, R., De Los Angeles Herrera Campos, M. & Zambrano, A. (eds.) *Biomonitoring, Ecology,*

and Systematics of Lichens: Recognizing the Lichenological Legacy of Thomas H. Nash III on his 65th Birthday. *Bibliotheca Lichenologica* 106: 20-39.

17. **Bungartz, F.**, Yáñez-Ayabaca, A. & De los Angeles Herrera-Campos, M. (2015) Identificación de metabolitos secundario líquénicos por cromatografía en capa fina. *In: Moncada, B. & Lücking, L. (eds.) Manual de Liquenología. GLAL X.* Bogotá. *submitted*.
18. Lücking, R., Calvelo, S. & **Bungartz, F.** (2015) Análisis biogeográfico de la distribución de líquenes. *In: Moncada, B. & Lücking, L. (eds.) Manual de Liquenología. GLAL X.* Bogotá. *submitted*.
19. **Bungartz, F.**, Nordin A. & Grube, U. (2008) *Buellia* De Not. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 3. Lichens Unlimited.* Tempe, pp. 113-179.
20. **Bungartz, F.** (2002) Collecting, Curating and Conservation of Lichens. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 44-47.
21. **Bungartz, F.** (2002) Lichen Chemistry: Recipes and other Techniques. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 49-52.
22. **Bungartz, F.** (2002) Lichen Photobionts. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 40-43.
23. **Bungartz, F.** (2002) Morphology and Anatomy of Conidia-producing Structures. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 35-40.
24. **Bungartz, F.** (2002) Morphology and Anatomy of the Fertile Structures. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 24-35.
25. **Bungartz, F.** (2002) Key to the Lichen Photobionts. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region – Vol. 1. Lichens Unlimited.* Tempe, pp. 44-47.
26. Ryan, B.D., **Bungartz, F.** & Nash III, T.H. (2002) Morphology and Anatomy of the Lichen Thallus – Vol. 1. *In: Nash III, T.H., Ryan, B.D., Gries, C. & Bungartz, F. (eds.): Lichen Flora of the Greater Sonoran Desert Region. Lichens Unlimited.* Tempe, pp. 8-23.

PEER-REVIEWED JOURNALS

–2018–

27. **Bungartz, F.**, Truong, C., De los Angeles Herrera-Campos, M. & Clerc, P. (2018) The genus *Usnea* (Parmeliaceae, Lecanoromycetes) in the Galapagos Islands. *Herzogia* 31(1) Teil 2: 571– 629.

–2017–

28. Dal-Forno, M., **Bungartz, F.**, Yáñez-Ayabaca, A., Lücking, R. & Lawrey, J.D. (2017) High levels of endemism among Galapagos basidiolichens. *Fungal Diversity* 85(1): 45–73, DOI10.1007/s13225-017-0380-6.
29. Miquel, S. & **Bungartz F.** (2017) Ecological interactions of snails, lichens and bryophytes: Evidence of habitat use and herbivory, with the description of *Scolodonta rinae* (Gastropoda, Scolodontidae), a new species of carnivorous micro-mollusks. *Archiv für Molluskenkunde* 146(1): 173-186.

–2016–

30. Dal-Forno, M., Lücking, R., **Bungartz, F.**, Yáñez-Ayabaca, A., Marcelli, M.P., Spielmann, A.A., Coca, L.F., Chaves, J.L., Aptroot, A., Sipman, H.J.M., Sikaroodi, M., Gillevet, P. & Lawrey, J.D. (2016) From one to six: Unrecognized species diversity in the genus *Acantholichen* (lichenized Basidiomycota: Hygrophoraceae). *Mycologia* 108(1): 38-55.
31. **Bungartz, F.**, Elix, J.A. & Kalb, K. (2016) New and overlooked species from the Galapagos Islands: the generic concept of *Diploicia* reassessed. *The Lichenologist* 48(5): 489–515.
32. **Bungartz, F.**, Giralt, M., Sheard, J. & Elix, J.A. (2016) The lichen genus *Rinodina* (Physciaceae, Teloschistales) in the Galapagos Islands, Ecuador. *The Bryologist* 119(1): 060–093.
33. Lücking, R., Nelsen, M.P., Aptroot, A., Barillas de Klee, R. Bawingan, P.A., Benatti, M.N., **Bungartz, F.**, Cáceres, M.E.S, Canêz, L., Chavez, J.-L., Ertz, D., Esquivel, R.E., Ferraro, L.I., Grijalva, A., Gueidan, C., Hernández M., J.E., Knight, A., Lumbsch, H.T., Marcelli, M.P., Mercado-Díaz, J., Moncada, B., Morales, E.A., Orozco, T., Parmen, S., Rivas Plata, E., Salazar-Allen, N., Spielmann, A. & Ventura, N. (2016) A phylogenetic framework for reassessing generic concepts and species delimitation in the lichenized family Trypetheliaceae (Ascomycota: Dothideomycetes). *The Lichenologist* 48(6): 739–762.

34. Lücking, R., Dal-Forno, M., Moncada, B., Vargas, L.Y., Aptroot, A., Besal, B., **Bungartz, F.**, Cabrera-Amaya, D.M., Cáceres, M.M.E., Chaves, J.L., Coca, L.F., Eliasaro, S., Gutiérrez, M.C., Hernández M., J.E., Holgado Rojas, M.E., Harald Jonitz, H., Martin Kukwa, M., Fabiane Lucheta, F., Santiago Madriñan, S., Marcelo Pinto Marcelli, M.P., de Azevedo Martins, S.M., Morales, E.A., Peter R. Nelson, P.R., Nugra, F., Ortega, F., Paredes, T., Peláez, R.N., Pérez Pérez, R.-E., Perlmutter, G.B., Rivas Plata, E., Rodríguez, C., Soto-Medina, E., Spielmann, A.A., Suárez-Corredor, A., Alberto Vargas, C.A., Yáñez-Ayabaca, A., Weerakoon, G., Wilk, K., Gillevet, P.M., Sikaroodi, M., Lawrey, J.D. (2016) Turbo-taxonomy to assemble a megadiverse lichen genus: seventy new species of *Cora* (Basidiomycota: Agaricales: Hygrophoraceae), honouring David Leslie Hawksworth's seventieth birthday. *Fungal Diversity* (published online 3 Oct 2016) DOI 10.1007/s13225-016-0374-9

–2015–

35. **Bungartz, F.**, Elix, J.A., Yáñez-Ayabaca, A. & Archer, A.W. (2015) Endemism in the genus *Pertusaria* (Pertusariales, lichenized Ascomycota) from the Galapagos Islands. *Telopea* 18: 325–369. DOI: <http://dx.doi.org/10.7751/telopea8895>

–2014–

36. Knudsen, K. & **Bungartz, F.** (2015) *Myriospora westbergii* (Acarosporaceae), a new discovery from the Galapagos Islands, Ecuador. *Opuscula Philolichenum* 13: 177–183.
37. Lücking, L., Dal-Forno, M., Sikaroodi, M., Gillevet, P.M., **Bungartz, F.**, Moncada, B., Yáñez-Ayabaca, A., Chaves, J.L., Fernando Coca, L. & Lawrey, J.D. (2014) A single macrolichen constitutes hundreds of unrecognized species. *Proceedings of the National Academy of Sciences* (PNAS) 111(30): 11091–11096.

–2013–

38. **Bungartz, F.**, Benatti, M.N. & Spielmann, A. (2013) Parmeliaceae of the Galapagos Islands, part I: The genus *Bulbothrix* Hale. *The Bryologist* 116(4): 358–372.
39. **Bungartz, F.**, Dútan, V. & Elix, J.A. (2013) The lichen genera *Herpothallon* and *Cryptothecia* in the Galapagos Islands. *Lichenologist*, 45(6): 1–24.

40. **Bungartz, F.**, Hillmann, G., Kalb, K. & Elix, J.A. (2013) Leprose and leproid lichens of the Galapagos with a particular focus on *Lepraria* (Stereocaulaceae) and *Septotrapelia* (Pilocarpaceae). *Phytotaxa* 150(1): 1–28.
41. Knudsen, K. & **Bungartz, F.** (2013) *Chrysothrix galapagoana*, a new species from the Galapagos Islands. *Opuscula Philolichenum* 12: 174–179.
42. Lücking, R., Dal-Forno, M., Lawrey, J.D., **Bungartz, F.**, Holgado Roja, M., Hernández M., J.E., Marcelli, M.P., Moncada, B., Morales, E.A., Nelsen, M.P., Paz, E., Salcedo, L., Spielmann, A.A., Wilk, K., Will-Wolf, S. & Yáñez-Ayabaca, A. (2013) Ten new species of lichenized Basidiomycota in the genera *Dictyonema* and *Cora* (Agaricales: Hygrophoraceae), with a key to all accepted genera and species in the Dictyonema clade. *Phytotaxa* 139 (1): 1–38.
43. Lücking, R., Tehler, A, **Bungartz, F.** & Lumbsch, T.H. (2013): Journey from the West: Did tropical Graphidaceae (Lichenized Ascomycota: Ostropales) evolve from a saxicolous ancestor along the Pacific coast? *American Journal of Botany* 100: 2-13.
44. Yáñez-Ayabaca, A., Ahti, T. & **Bungartz, F.** (2013) The lichen family Cladoniaceae (Leonoraceae, Lecanoromycetes) in the Galapagos Islands. *Phytotaxa* 129 (1): 1–33.

–2011–

45. Ertz, D., **Bungartz, F.**, Diederich, P. & Tibell, L. (2011) Molecular and morphological data place *Blarneya* in *Tylophoron* (Arthoniaceae). *Lichenologist*. 43(4): 1–12.
46. Giralt, M., **Bungartz, F.** & Elix, J.A. (2011) The identity of *Buellia sequax*. *Mycological Progress* 10: 115–119.
47. Lumbsch, H.T., Ahti, T., Altermann, S., Amo De Paz, G., Aptroot, A., Arup, U., Bárcenas Peña, A., Bawingan, P.A., Benatti, M.N., Betancourt, L., Björk, C.R., Boonpragob, K., Brand, M., **Bungartz, F.**, Cáceres, M.E.S., Candan, M., Chaves, J.L., Clerc, P., Common, R., Coppins, B.J., Crespo, A., Dal Forno, M., Divakar, P.K., Duya, M.V., Elix, J.A., Elvebakk, A.V., Fankhauser, J., Farkas, E., Ferraro, I.L., Fischer, E., Galloway, D.J., Gaya, E., Giralt, M., Goward, T., Grube, M., Hafellner, J., Hernández M., J.E., De Los Angeles Herrera Campos, M., Kalb, K., Kärnefelt, I., Kantvilas, G., Killmann, D., Kirika, P., Knudsen, K., Komposch, H., Kondratyuk, S., Lawrey, J.D., Mangold, A., Marcelli, M.P., Mccune, B., Messuti, M.I., Michlig, A., Miranda Gonzáles, R., Moncada, B., Naikatini, A., Nelsen, M.P., Øvstedal, D.O., Palice, Z., Papong, K., Parnmen, S., Pérez-Ortega, S., Printzen, C., Rico, V.J., Robayo, J., Rosabal, D., Ruprecht, U., Salazar Allen, N., Sancho, L., Santos De Jesus, L., Santos Vieira, T., Schultz, M.,

Seaward, M.D.R., Sérusiaux, E., Schmitt, I., Sipman, H.J.M., Sohrabi, M., Søchting, U., Søgaard, M.Z., Sparrius, L.B., Spielmann, A., Spribille, T., Sutjaritturakan, J., Thammathaworn, A., Thor, G., Thüs, H., Timdal, E., Truong, C., Türk, R., Umaña Tenorio, L., Upreti, D.K., Van Den Boom, P., Vivas Rebuelta, M., Wedin, M., Will-Wolf, S., Wirth, V., Wirtz, N., Yahr, R., Yeshitela, K., Ziemmeck, F. & Lücking, R. (2011): One hundred new species of lichenized fungi: a signature of undiscovered global diversity. *Phytotaxa* 18: 1-127.

48. Truong, C., **Bungartz, F.** & Clerc, P. (2011) The lichen genus *Usnea* (Parmeliaceae) in the tropical Andes and the Galapagos: species with a red-orange cortical or subcortical pigmentation. *The Bryologist* 114(3):477-503.
49. Yáñez-Ayabaca, A., Dal-Forno, M., **Bungartz, F.**, Lücking, R. & Lawrey, D.J. (2011) A first assessment of Galapagos basidiolichens. *Fungal Diversity* 52: 225-244.

–2010–

50. **Bungartz, F.**, Aptroot, A. & Lücking, R. (2010) The lichen family Graphidaceae in the Galapagos Islands; *Nova Hedwigia* 90(1-2): 1-44.

–2009–

51. Lawrey, J.D., Lücking, R., Sipman, H.J.M., Chaves, J.L., Redhead, S.A., **Bungartz, F.**, Sikaroodi, M. & Gillevet, P.M. (2009) Phylogenetic diversity and concentration of lichenized mushroom-forming fungi in the Hygrophoraceae (Basidiomycota: Agaricales). *Mycological Research* 113: 1154-1171.
52. Lücking, R., Lawrey, J.D., Sikaroodi, M., Gillevet, P.M., Chavez, J.L., Sipman, H.M. & **Bungartz, F.** (2009) Do lichens domesticate photobionts like farmers domesticate crops? Evidence from a previously unrecognized lineage of filamentous cyanobacteria. *American Journal of Botany* 96(8): 1409–1418
53. Wirth, V. & **Bungartz, F.** (2009) The Lecidelletum crystalliferae, a lichen community on gypsum crusts of the Namib Desert, characterized by the new species *Buellia sipmanii*. *Bibliotheca Lichenologica* 99: 405-410.
54. Tehler, A., Irestedt, M., **Bungartz, F.** & Wedin, M. (2009) Evolution and reproduction modes in the *Roccella galapagoensis* aggregate (Roccellaceae, Arthoniales). *Taxon* 58: 438–456.

–2008–

55. **Bungartz, F.** (2008) Cyanolichens of the Galapagos Islands - The genera *Collema* and *Leptogium*. *Sauteria* 15: 139-158.

56. Aptroot, A., Sparrius, L.B. Lagreca, S. & **Bungartz, F.** (2008) *Angiactis*, a new crustose lichen genus in the family Roccellaceae with species from Bermuda, the Galápagos Islands, and Australia. *The Bryologist*. 111(3): 510-516.
57. Garvie, L.A.J., Knauth, L.P., **Bungartz, F.**, Klonowski, S. & Nash III, T.H. (2008) Life in extreme environments: survival strategy of the endolithic desert lichen *Verrucaria rubrocincta*. *Naturwissenschaften* 95: 707-712.

–2007–

58. Aptroot, A. & **Bungartz, F.** (2007) The lichen genus *Ramalina* on the Galapagos. *Lichenologist* 39(6): 519-542.
59. Jaramillo, P. & **Bungartz, F.** (2007) The Herbarium CDS at the Charles Darwin Research Station on the Galapagos Islands: Moving a collection into a new era. *The Vasculum* 2(2): 3-7.
60. **Bungartz, F.**, & Wirth, V. (2007) *Buellia peregrina* sp. nov. an euendolithic calcicolous lichen species inhabiting small limestone pebbles of the Namib Desert. *Lichenologist* 39(1): 41-45.

–2004–

61. **Bungartz, F.** (2004) New and previously unrecorded saxicolous species of *Buellia* s.l. with one-septate ascospores from the Greater Sonoran Desert Region. *Mycotaxon* 90: 81-123.
62. **Bungartz, F.**, Elix, J. A. & Nash Iii, T. H. (2004) The genus *Buellia* sensu lato in the Greater Sonoran Desert Region: saxicolous species with one-septate ascospores containing xanthones. *The Bryologist* 107: 459-479.
63. **Bungartz, F.** & Fryday, A. M. (2004) *Buellia saurina* belongs to the genus *Rhizocarpon* (Rhizocarpaceae, lichenized Ascomycetes) *The Bryologist* 107: 75-78.
64. **Bungartz, F.**, Garvie, L. A. & Nash III, T. H. (2004) Anatomy of the endolithic Sonoran Desert lichen *Verrucaria rubrocincta* Breuss: Implications for biodeterioration and biomineralization. *Lichenologist* 36: 1-19.
65. **Bungartz, F.** & Nash III, T. H. (2004) The *Buellia aethalea*-Group in the Greater Sonoran Desert Region with reference to similar species in North America. *The Bryologist* 107: 441-458.
66. **Bungartz, F.** & Nash III, T. H. (2004) *Buellia subalbula* (Nyl.) Müll. Arg. and *B. amabilis* de Lesd., two species from North America with one-septate ascospores: A comparison with *Buellia* ["*Diplolemma*"] *venusta* (Körb.) Lettau.

In: Rambold, G. & Döbbeler, P. (eds.): Lichenological Contributions. Festschrift in honor of Hannes Hertel on occasion of his 65th birthday. *Bibliotheca Lichenologica* 88: 49-66.

67. **Bungartz, F.** & Nash III, T. H. (2004) *Buellia turgescens* is synonymous with *Buellia badia* and must not be included in *Amandinea*. *The Bryologist* 107: 21-27.
68. **Bungartz, F.**, Nash III, T. H. & Ryan, B. D. (2004) Morphology and anatomy of chasmolithic versus epilithic growth: a taxonomic revision of inconspicuous saxicolous *Buellia* species from the Sonoran Desert Region generally ascribed to the "*Buellia punctata*"-group. – *Canadian Journal of Botany* 82: 540-562.
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