

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 Non-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 Rijksmuseet , 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	Cryptogamic Botanist: Senior Scientist, Botany Department
	2006 - 2008	Acting Head of CDF Botany Department
	March 2008	Head of Natural History Collections
	since January 2009	Theme Leader: Research Program Galapagos Biodiversity Assessment
Bonn, Germany	since November 2014	Adjunct Scientist (CDF Galapagos Lichen Inventory)



Publication List

–Frank Bungartz–

1997 to 2015:

more than 60 publications in total, i.e.:

doctoral dissertation, master's thesis, editor of four books, two field guides, thirteen book chapters, 44 peer reviewed publications, four technical project reports; major editing and contributions to several large website projects (*LIAS*, *ASU Lichen Herbarium*, *Consortium of North American Lichen Herbaria*, *The Galapagos Science Commons: CDF Galapagos Species Checklist*, *CDF Galapagos Collections Database*, *CDF Climate Database*), ten manuscripts currently in preparation, two submitted.

Doctoral 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. – Master's of Science Thesis, 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.**, ROSENRETER, 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., GUÉZOU, 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., GUÉZOU, A. & ZIEMMECK, F. (2010). Guía rápida de líquenes de las Islas Galápagos. Versión 2. Fundación Charles Darwin, Puerto Ayora, 106 pp.
10. **BUNGARTZ, F.**, YÁNEZ-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

–in preparation –

11. **BUNGARTZ, F.**, YÁNEZ-AYABACA, A. & ZIEMMECK, F. (2014). Lichens of the Galapagos Island – a comprehensive identification guide. *in preparation*.

Book Chapters

12. **BUNGARTZ, F.**, ZIEMMECK, F., TIRADO, N., JARAMILLO, P., HERRERA & H., JIMENÉZ-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. p. 119-142.
13. **BUNGARTZ, F.** (2009). Lichen discoveries - bright bold color specks, tiny and overlooked. *In:* DE ROY, T. (ed.): *Galapagos – Preserving Darwin's Legacy*. *Bateman*. New Zealand. pp. 53-59.
14. **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 ÁNGELES HERRERA CAMPOS, M. & ZAMBRANO, A. (eds.). *Biomonitoring*,

Frank Bungartz, Ph.D.

Adjunct Scientist (CDF Galapagos Lichen Inventory)

e-mail: frank.bungartz@gmail.com

phone: +49 (0)228 94 77 8370



fundación
Charles Darwin
foundation

<http://www.darwinfoundation.org/datazone/checklists/true-fungi/lichens/>
<http://www.darwinfoundation.org/datazone/collections/>

- Ecology, and Systematics of Lichens: Recognizing the Lichenological Legacy of Thomas H. Nash III on his 65th Birthday. *Bibliotheca Lichenologica* 106: 20-39.
15. BUNGARTZ, F., YÁNEZ-AYABACA, A. & DE LOS ANGELES HERRERA-CAMPOS, M. (2015). Identificación de metabolitos secundario liquénicos por cromatografía en capa fina. In: MONCADA, B. & LÜCKING, L. (eds.) Manual de Liquenología. *GLAL X*. Bogotá. *submitted*.
 16. 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*.
 17. 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. – *Lichens Unlimited*, Tempe, pp. 44-47.
 18. 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. – *Lichens Unlimited*, Tempe, pp. 49-52.
 19. 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. – *Lichens Unlimited*, Tempe, pp. 40-43.
 20. 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. – *Lichens Unlimited*, Tempe, pp. 35-40.
 21. 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, 113-179.
 22. 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. – *Lichens Unlimited*, Tempe, pp. 24-35.
 23. 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. – *Lichens Unlimited*, Tempe, pp. 44-47.
 24. RYAN, B.D., BUNGARTZ, F. & NASH III, T.H. (2002). Morphology and Anatomy of the Lichen Thallus. 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

–in preparation –

25. BUNGARTZ, F., DAL FORNO, M., LÜCKING, R. & LAWREY, J. (2015). *Acantholichen galapagoense* sp. nov. a cryptic basidiolichen species endemic to Galapagos – a case study why taxonomy matters in conservation biology, *in preparation*.
26. BUNGARTZ, F., ELIX, J.A., YÁNEZ-AYABACA, A. & ARCHER, A.W. (2015) Secondary chemistry reveals high proportion of endemism in Galapagos species of *Pertusaria* (Pertusariaceae, lichenized Ascomycota), *in preparation*.
27. BUNGARTZ, F. (2015). The lichen genus *Lecanora* (Lecanoraceae, lichenized Ascomycota) in the Galapagos Islands, *in preparation*.
28. DE LOS ANGELES HERRERA CAMPOS, M., MIRANDA, R., BUNGARTZ, F. & SMITH, F. (2015) *Pyrenula ochraceoflava* and *P. ochraceoflavens*, two cryptic lichen species reliably distinguished by statistical analysis of spore dimensions, *in preparation*.
29. ERTZ, D. & BUNGARTZ, F. (2015). A taxonomic revision of genera and species in the Arthoniales (lichenized Arthoniomycetes) in the Galapagos Islands, *in preparation*.
30. GIRALT, M., SHEARD, J. & BUNGARTZ, F. (2013). The lichen genus *Rinodina* in the Galapagos Islands, *in preparation*.
31. MIQUEL, S. & BUNGARTZ, F. (2015) Macrolichens and bryophytes of the Galapagos highland vegetation provide key habitat for endemic species of micromollusks discovered new to science, *in preparation*.
32. MIRANDA GONZÁLES, R., DE LOS ANGELES HERRERA CAMPOS, M. & BUNGARTZ, F. (2015). Pyrenocarpous lichens of the Galapagos Islands, *in preparation*.
33. NUGRA, F. & BUNGARTZ, F. (2015). “Invasive” or “in phases” – how is the Galapagos lichen flora changing? A first assessment, *in preparation*.
34. SØCHTING, U. & BUNGARTZ, F. (2015). Can molecular bar-coding overcome the taxonomic impediment? – Lessons learned from an inventory of a poorly known species group: Teloschistaceae (lichenized Ascomycota) in the Galapagos Islands, *in preparation*.
35. LÜCKING, R. & BUNGARTZ, F. (2015) Deterministic and stochastic components of oceanic island biota: the example of leaf-dwelling lichens on the Galapagos Islands and Cocos Island. *Journal of Biogeography*, *in preparation*.

– submitted –

36. KALB, K. & BUNGARTZ, F. (2015). The lichen genus *Tephromela* (Tephromelataceae, Lecanoromycetes) in the Galapagos Islands. *Opuscula Philolichenum*, *submitted*.

– 2014 –

37. KNUDSEN, K. & BUNGARTZ, F. (2015). *Myriospora westbergii* (Acarosporaceae), a new discovery from the Galapagos Islands, Ecuador. *Opuscula Philolichenum* 13: 177–183.
38. LÜCKING, R., DAL-FORNO, M., SIKAROODI, M., GILLEVET, P.M., BUNGARTZ, F., MONCADA, B., YÁNEZ-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 –

39. 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.
40. BUNGARTZ, F., DÚTAN, V. & ELIX, J.A. (2013). The lichen genera *Herpothallon* and *Cryptothecia* in the Galapagos Islands. *Lichenologist*, 45(6): 1–24.
41. 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* (1): 1–28 (2013).
42. KNUDSEN, K. & BUNGARTZ, F. (2013) *Chrysothrix galapagoana*, a new species from the Galapagos Islands. *Opuscula Philolichenum* 12: 174–179.
43. 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. & YÁNEZ-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.
44. 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.
45. YÁNEZ-AYABACA, A., AHTI, T. & BUNGARTZ, F. (2013). The lichen family Cladoniaceae (Leonoraceae, Lecanoromycetes) in the Galapagos Islands. *Phytotaxa* 129 (1): 1–33.

– 2011 –

46. ERTZ, D., BUNGARTZ, F., DIEDERICH, P. & TIBELL, L. (2011). Molecular and morphological data place *Blarneya* in *Tylophoron* (Arthoniaceae). *Lichenologist*. 43(4): 1–12.
47. GIRALT, M., BUNGARTZ, F. & ELIX, J.A. (2011). The identity of *Buellia sequax*. *Mycological Progress* 10: 115–119.
48. 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., DUVA, 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 ÁNGELES 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., SÖCHTING, 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.
49. 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.



50. YÁNEZ-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 –

51. **BUNGARTZ, F.**, APTROOT, A. & LÜCKING, R. (2010). The lichen family Graphidaceae in the Galapagos Islands; *Nova Hedwigia* 90(1-2): 1-44.

– 2009 –

52. 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.
53. 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
54. 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.
55. 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 –

56. **BUNGARTZ, F.** (2008). Cyanolichens of the Galapagos Islands - The genera *Collema* and *Leptogium*. *Sauteria* 15: 139-158.
57. 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.
58. 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 –

59. APTROOT, A. & **BUNGARTZ, F.** (2007). The lichen genus *Ramalina* on the Galapagos. *Lichenologist* 39(6): 519-542.
60. 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.
61. **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 –

62. **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.
63. **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.
64. **BUNGARTZ, F.** & FRYDAY, A. M. (2004). *Buellia saurina* belongs to the genus *Rhizocarpon* (Rhizocarpaceae, lichenized Ascomycetes). *The Bryologist* 107: 75-78.
65. **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.
66. **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.
67. **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* ["*Diplotomma*"] *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.
68. **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.
69. **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.



70. 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* ["*Diplozomma*"] *venusta* (Körb.) Lettau. pp. 49-66. In: RAMBOLD, G. & P. DÖBBELER (eds.), Lichenological Contributions. Festschrift in honor of Hannes Hertel on occasion of his 65th birthday. *Bibliotheca Lichenologica* 88: 49-66.

– 2003 –

71. BUNGARTZ, F. (2003). [Review] X. Llimona, H. T. Lumbsch & S. Ott (Eds.). Progress and Problems in Lichenology at the Turn of the Millennium. *Bibliotheca Lichenologica* 82: 1-326. J. Cramer, Berlin and Stuttgart. 2002. *The Bryologist* 106(4): 626-627.

– 2002 –

72. BUNGARTZ, F. (2002). A safe and accurate method to apply spot test chemicals to lichen thalli in the laboratory and the field. *Evansia* 19(3): 123-124.
73. BUNGARTZ, F., SCHEIDEGGER, C. & NASH III, T. H. (2002). *Buellia dispersa* A. Massal., a variable lichen species from semi-arid to arid environments of North America and Europe. pp. 19-35. In: LLIMONA, X., H. T. LUMBSCH & S. OTT (eds.), Progress and Problems in Lichenology at the Turn of the Millennium. *Bibliotheca Lichenologica* 82: 19-35.

– 2000 –

74. BUNGARTZ, F. (2000). *Bacidia viridifarinoso* - Neufund für Deutschland und andere bisher nicht aus Rheinland-Pfalz nachgewiesene Flechtenarten. *Herzogia* 14: 91-98.
75. BUNGARTZ, F., GARVIE, L. A. J. & NASH, T. H., III (2000a) Simultaneous mineral dissolution and biomineralization of caliche by the endolithic lichen *Verrucaria rubrocincta* Breuss in the Sonoran Desert, p. 57 In The Fourth IAL Symposium, Progress and Problems in Lichenology at the Turn of the Millennium (Book of Abstracts). Universitat de Barcelona, Barcelona.
76. BUNGARTZ, F., SCHEIDEGGER, C. & NASH III, T. H. (2000). Comparison of thallus morphology, exciple anatomy, spore ultrastructure and chemistry of *Buellia retrovertens* Tuck. and *Buellia dispersa* A. Massal, p. 19 In The Fourth IAL Symposium, Progress and Problems in Lichenology at the Turn of the Millennium (Book of Abstracts). Universitat de Barcelona, Barcelona.

– 1999 –

77. BUNGARTZ, F. (1999). Die Flechten des Kölner Doms - Wiederbesiedelung oder Reliktorkommen? Rheinische Heimatpflege 36: 14-24.
78. LITTERSKI, B. & BUNGARTZ, F. (1999) Ergebnisse des 3. Kartierungstreffen in Mecklenburg-Vorpommerns. Botanischer Rundbrief für Mecklenburg-Vorpommern 33: 161-166.

– 1998 –

79. BUNGARTZ, F. (1998). Die Flechten der Eifel im Herbarium von Theodor Müller. – Aktuelle Lichenologische Mitteilungen 16: 14-15.
80. BUNGARTZ, F. (1998) Die Flechten des Brodenbachtals / Mosel. *Decheniana* 151: 113-129.

– 1997 –

81. BUNGARTZ, F. & ZIEMMECK, F. (1997). Die Gefäßpflanzen-, Moos- und Flechtenvegetation des Brodenbachtals/Mosel. *Decheniana* 150: 91-108.

Online Resources

LIAS – Lichenized and Non-lichenized Ascomycetes

82. BUNGARTZ, F., HAGEDORN, G. & RAMBOLD, G. (2005). *LIAS-glossary*, an online Wikki-based dictionary of descriptive terminology of **L**ichenized and Non-Lichenized **A**scomycetes: http://glossary.lias.net/wiki/About_LIAS_Glossary/.

Charles Darwin Foundation: Galapagos Datazone

83. BUNGARTZ, F., HERRERA, H.W., JARAMILLO, P., TIRADO, N., JIMENEZ-UZCATEGUI, G., RUIZ, D., GUÈZOU, A. & ZIEMMECK, F. (eds.) (2009-2011). Charles Darwin Foundation Galapagos Species Checklist - Lista de Especies de Galápagos de la Fundación Charles Darwin. Charles Darwin Foundation / Fundación Charles Darwin, Puerto Ayora, Galapagos: <http://www.darwinfoundation.org/datazone/checklists/> Last updated 09 Nov 2011.



84. **BUNGARTZ, F.**, ZIEMMECK, F., APTROOT, A., NUGRA, F., YÁNEZ-AYABACA, A. (2009-2011). CDF Checklist of Galapagos Lichenized Fungi - FCD Lista de especies de Hongos liquenizados de Galápagos. *In*: **BUNGARTZ, F.**, HERRERA, H.W., JARAMILLO, P., TIRADO, N., JÍMENEZ-UZCATEGUI, G., RUIZ, D., GUÈZOU, A. & ZIEMMECK, F. (eds.). Charles Darwin Foundation Galapagos Species Checklist - Lista de Especies de Galápagos de la Fundación Charles Darwin. Charles Darwin Foundation / Fundación Charles Darwin, Puerto Ayora, Galapagos: <http://www.darwinfoundation.org/datazone/checklists/true-fungi/lichens/> Last updated 07 Jul 2011.
85. CLARKE, S. & **BUNGARTZ, F.** (2009-2011). Charles Darwin Foundation Collections Database: <http://www.darwinfoundation.org/datazone/collections/>
86. CLARKE, S. & **BUNGARTZ, F.** (2009-2011). Charles Darwin Foundation Climate Database: <http://www.darwinfoundation.org/datazone/climate/>
87. CLARKE, S. & **BUNGARTZ, F.** (2009-2011). Galapagos Research – The online Research Journal of the Charles Darwin Foundation: <http://www.darwinfoundation.org/datazone/galapagos-research/>

Arizona State University Lichen Herbarium

88. **BUNGARTZ, F.** (1996). *What Is A Lichen?* - An overview on the biology of lichens, lichen collecting, lichen TLC and the chemistry of lichens. Arizona State University Lichen Herbarium: http://nhc.asu.edu/lherbarium/lichen_info/index.php

Consortium of North American Lichen Herbaria

89. **BUNGARTZ, F.** (1996-2011) Contributions to the Consortium of North American Lichen Herbaria (CNABH): <http://symbiota.org/nalichens/misc/about.php>

Technical Reports

90. **BUNGARTZ, F.**, NUGRA, F., ARTURO, X., ZIEMMECK, F. & BATES, S. (2008). Plantas no vasculares en Galápagos (briofitas, hongos y líquenes): Nuevos registros, amenazadas y potencial como bioindicadores – una primera evaluación. *In* CDF, GNP & INGALA: Informe Galápagos 2007-2008. Estación Científica Charles Darwin, Puerto Ayora, 147-152.
91. **BUNGARTZ, F.** & ZIEMMECK, F. (1998). Untersuchungen der Moos- und Flechtenvegetation in den Naturwaldzellen Nr. 24 „Teppes Viertel“, Nr. 25 „Wartenhorster Sundern“, Nr. 31 „Hellberg“ und Nr. 61 „Ochsenberg“. Landesanstalt für Ökologie, Bodenordnung und Forsten / Landesamt für Agrarordnung (LÖBF), Düsseldorf (unveröffentlichtes Auftragsgutachten), pp. 1-69.
92. **BUNGARTZ, F.** & ZIEMMECK, F. (1998) Untersuchungen der Moos- und Flechtenvegetation in den Naturwaldzellen Nr. 14 „Geldenberg“, Nr. 47 „Amelsbüren“ und Nr. 71 „Holter Wald“. Landesanstalt für Ökologie, Bodenordnung und Forsten / Landesamt für Agrarordnung (LÖBF), Düsseldorf (unveröffentlichtes Auftragsgutachten), pp. 1-75.
93. **BUNGARTZ, F.** & ZIEMMECK, F. (1997) Methodenentwicklung zur Erfassung und Dauerbeobachtung der Moos- und Flechtenvegetation in Naturwaldzellen. Landesanstalt für Ökologie, Bodenordnung und Forsten / Landesamt für Agrarordnung (LÖBF), Düsseldorf (unveröffentlichtes Auftragsgutachten), pp. 1-90.

