

Recent Literature on Lichens—177*

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- AARESTAD, P. A. & D. AAMLID. 1999. Vegetation monitoring in South-Varanger, Norway—species composition of ground vegetation and its relation to environmental variables and pollution impact. Environmental Monitoring and Assessment 58: 1–21. 5 fig. 6 tab. [Work conducted at a network of 78 systematically chosen monitoring sites in eastern Finnmark. “Multivariate data analysis has been used to describe the variation in the species composition and to study its relation to environmental variables and pollution impact.”]
- ANDREEV, M. P. 1999. Materies ad examinationem licheno-florae prov. Kirov (lichenes reservati “Nurgush”). Novitates Systematicae Plantarum non Vascularium [Academia Scientiarum Rossica] 33: 98–106. [In Russian.]
- ANTONOVA, I. M. 1999. Epilithic lichens of the valley of Maival'taiok River in Khibiny Mountains, Murmansk region, pp. 7–30. 1 fig. 2 tab. In N. A. Konstantinova (ed.), Flora and Vegetation of the Murmansk Region. Kola Science Centre, Russian Academy of Sciences, Apatity. [In Russian, with English abstract.]
- APROOT, A. 1999. Notes on taxonomy, distribution and ecology of *Anisomeridium polypori*. Lichenologist 31: 641–642. [A detailed synonymy is given.]
- APROOT, A. & V. ALSTRUP. 1999. Three hyphomycetes isolated from the necrotic lichen *Cladonia rangiformis*. Cryptogamie, Mycologie 20: 189–191.
- APROOT, A. & K. VAN HERK. 1999. Korstmossen in Limburg, voorjaarsweekend 1998 [Lichens in Limburg, spring field meeting 1998]. Buxbaumia 49: 14–26. [New to The Netherlands: *Caloplaca crenulatella*, *Cladonia peziziformis*, *Lecidella anomaloides*, *Micarea excipulata*, *Placynthiella dasaea*, *Thelocarpon sphaerosporum*.]
- APROOT, A. & K. VAN HERK. 1999. De lichenologische excursie naar IJsselmeerdijken in Noord-Holland [The lichenological excursion to IJsselmeer dykes in North Holland]. Buxbaumia 49: 27–31. [New to the Netherlands: *Acrocordia macrospora*.]
- APROOT, A., K. VAN HERK, L. SPARRIUS & P. VAN DEN BOOM. 1999. Checklist van de Nederlandse lichenen en lichenicole fungi. Buxbaumia 50: 4–64. [An updated list, with 787 accepted species, including 81 lichenicolous or algicolous fungi, and 104 extinct lichens. Available online at: <http://www.hio.nl/~zielman/mossen/blwg/>]
- ARAGÓN, G. & I. MARTÍNEZ. 1999. Contribución al conocimiento de los líquenes epifíticos de la sierra de Alcaraz (Albacete, España). Cryptogamie, Mycologie 20: 57–70. 1 fig. 1 tab. [Lists 131 taxa.]
- ARAGÓN, G., I. MARTÍNEZ & A. R. BURGAS. 1999. Contribución al conocimiento de los líquenes epifíticos del Valle de Sanabria (Zamora, España). Cryptogamie, Mycologie 20: 137–152. 1 fig. 1 tab. [Lists 145 taxa, nearly all new records for the province.]
- ARCHER, A. W. & J. A. ELIX. 1999. Three new species in the Australian Graphidaceae with novel chemistries: *Phaeographina echinocarpica*, *Phaeographis necopinata*, *Phaeographis normotatica*. Mycotaxon 72: 91–96. 3 fig. 2 schemes. [New: *Phaeographina echinocarpica* sp. nov., *Phaeographis necopinata* sp. nov., *Ph. normotatica* sp. nov. (all from Australia). Includes schemes and speculation about the biosynthesis of β -orcinol depsidones and benzyl esters from depsides.]
- ARIÑO, X., A. GÓMEZ-BOLEA, N. HLADUN & C. SAIZ-JIMENEZ. 1995. La colonización del Foro Romano de Baelo Claudia (Cádiz): aplicación del tratamiento de imágenes al estudio de las comunidades líquénicas, pp. 221–223. 1 tab. In XI Simposio Nacional de Botánica Criptogámica. Santiago.
- ARIÑO, X., A. GÓMEZ-BOLEA & C. SAIZ-JIMENEZ. 1995. *Rocella phycopsis* Ach.: colonization and weathering processes on granite, pp. 399–404. 4 fig. In M. A. Vicente, J. Delgado-Rodriguez & J. Acevedo (eds.), Degradation and Conservation of Granitic Rocks in Monuments. Protection and Conservation of the European Cultural Heritage, Research Report No. 5.
- ARIÑO, X. & C. SAIZ-JIMENEZ. 1996. Biological diversity and cultural heritage. Aerobiologia 12: 279–282. [Discussion of relative merits of conservation of cultural heritage objects versus the conservation of the organisms that colonize them.]
- ARIÑO, X. & C. SAIZ-JIMENEZ. 1996. Colonization and deterioration processes in Roman mortars by cyanobacteria, algae and lichens. Aerobiologia 12: 9–18. 7 fig. 3 tab. [Study of a Roman city near Cadiz, Spain.]
- ARIÑO, X. & C. SAIZ-JIMENEZ. 1996. Factors affecting the colonization and distribution of cyanobacteria, algae and lichens in ancient mortars, pp. 725–731. 3 fig. 2 tab. In J. Riederer (ed.), 5th International Congress on Deterioration and Conservation of Stone.
- ARIÑO, X. & C. SAIZ-JIMENEZ. 1997. Deterioration of the Elephant Tomb (Necropolis of Carmona, Seville, Spain). International Biodeterioration and Biodegradation 40: 233–239. 4 fig. 2 tab. [Numerous lichens listed.]
- ARUP, U. 1999. *Cyphelium trachylioides*, found on a new locality in southern Sweden. Graphis Scripta 11: 29–31. 1 tab. [A new locality for a species formerly regarded as extinct in Sweden.]
- ARUP, U. & M. GRUBE. 1999. Where does *Lecanora demissa* (Ascomycota, Lecanorales) belong? Lichenologist 31: 419–430. 5 fig. [New: *Caloplaca demissa* (Körber) comb. nov.]
- BECK, A. 1999. Photobiont inventory of a lichen community growing on heavy-metal-rich rock. Lichenologist 31: 501–510. 2 fig. 3 tab. [New: *Trebouxia jamesii* subsp. *angustilobata* subsp. nov.]
- BENNETT, J. P. & C. M. WETMORE. 1999. Covariance of lichen and vascular plant floras. Rhodora 101: 277–297. 8 fig. 6 tab.
- BIELCZYK, U. 1999. Materiały do geograficznego rozmieszczenia porostów (Lichenes) w Polsce. 1. Porosty Tatr [The materials for the geographical distribution of lichens in Poland. 1. Lichens of the Tatra Mountains].

* The cumulative database for this series is available in searchable form on the World Wide Web at: http://www.toyen.uio.no/botanisk/bot-mus/lav/sok_rll.htm