

# Recent literature on lichens—212

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- Adamo, P., R. Bargagli, S. Giordano, P. Modenesi, F. Monaci, E. Pittao, V. Spagnuolo & M. Tretiach. 2007. Natural and pre-treatments induced variability in the chemical composition and morphology of lichens and mosses selected for active monitoring of airborne elements. *Environmental Pollution* 52(1): 11–19. [Study on *Hypnum cupressiforme* and *Pseudevernia furfuracea* from Italy. Specimens exposed in nylon bags to various treatments. “Pre-treatments remarkably changed the chemical composition of selected materials but not their surface morphology. Anyhow, water-washed and oven-dried moss shoots resulted the most suitable material for monitoring trace element deposition in two urban environments.”]
- , S. Giordano, D. Naimo & R. Bargagli. 2008. Geochemical properties of airborne particulate matter (PM<sub>10</sub>) collected by automatic device and biomonitors in a Mediterranean urban environment. *Atmospheric Environment* 42(2): 346–357. [Lichens and mosses trapped air particulates, especially soil dust, in this study around urban Naples, Italy.]
- Alstrup, V. & U. Søchting. 2008. Hvad blev der af de danske rensdyrlaver og bægerlaver? Lavslægten *Cladonia* før og nu. Vær med til en kortlægning! *Urt* 32(2): 75. [Popular note on *Cladonia*.]
- Andreev, A. A., D. J. Lubinski, A. A. Bobrov, Ó. Ingólfsson, S. L. Forman, P. E. Tarasov & P. Möller. 2008. Early Holocene environments on October Revolution Island, Severnaya Zemlya, Arctic Russia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 267(1–2): 21–30. [Conditions with modern “sparse lichen-moss-grass cover” were established in the region about 9400 years ago as the climate became cooler and drier.]
- Anonymous. 2008. Secret life of lichens. *The Botanics* 33: 13. [A short note on a current exhibition in Edinburgh, Scotland, of specimens, photographs, and also paintings by Claire Dalby, and information on human uses as medicine and food.]
- Aptroot, A. 2008. *Sticta alpinotropica*, a new saxicolous lichen species from the alpine zone of Mt Wilhelm, Papua New Guinea. *Lichenologist* 40(5): 419–422. [New: *S. alpinotropica* sp. nov., known only from the summit region at 3900–4200 m.]
- . 2008. Lichens of St Helena and Ascension Island. *Botanical Journal of the Linnean Society* 158: 147–171. [Records of 225 species from St. Helena and nearly 100 from Ascension Island. New: *Dermaticum pusillum* sp. nov., *Dimelaena triseptata* sp. nov., *Dolichocarpus seawardii* sp. nov., *Ramalina geniculatella* sp. nov., *R. ketner-oostrae* sp. nov., *R. rigidella* sp. nov., *R. sanctae-helenae* sp. nov. and *Xanthoparmelia beccae* sp. nov.]
- Archer, A. W. & J. A. Elix. 2008. Three new species in the Australian Graphidaceae (lichenized Ascomycota). *Australasian Lichenology* 63: 26–29. [New: *Acanthothecis aquilonia* sp. nov. (Northern Territory), *Diorygma wallamanensis* sp. nov. (Queensland) and *Phaeographis girringunensis* sp. nov. (Queensland).]
- Aznar, J.-C., M. Richer-Lafèche & D. Cluis. 2008. Metal contamination in the lichen *Alectoria sarmentosa* near the copper smelter of Murdochville, Québec. *Environmental Pollution* 156(1): 76–81. [Study of heavy metals (Cu, Cd, Pb, As, Ba). “Metal concentrations and Pb isotopic ratios in the lichen *Alectoria sarmentosa* showed a clear spatial pattern related to a point source emission.”]
- Bajpai, R. P. 2008. Quantum nature of photon signal emitted by *Xanthoria parietina* and its implications to biology. *Indian Journal of Experimental Biology* 46: 420–432. [“The reproduction of photon count distributions is a credible evidence of spontaneous emission of photon signal in a quantum squeezed state for macroscopic time by the sample. It is suggested that every living system is associated with a photon field in a squeezed state. The suggestion has

\* The cumulative database for this series is available in searchable form on the World Wide Web at [http://www.nhm.uio.no/botanisk/bot-mus/lav/sok\\_rll.htm](http://www.nhm.uio.no/botanisk/bot-mus/lav/sok_rll.htm). I owe special thanks to Bill Buck for providing copies of papers by other authors, which were otherwise unavailable to me, and to the cooperating authors who send reprints or electronic versions of their works to me for inclusion in this series.