

Bibliografía Botánica Ibérica, 2017. Líquenes

Ana Rosa Burgaz¹**Cómo citar:** Burgaz, A. R. (2018). Bibliografía Botánica Ibérica, 2017. Líquenes. *Bot. complut.* 42: 181-185.

1769. Alors, D., Grande, F., Cubas, P., Crespo, A., Schmitt, I., Molina, M. C. & Divakar, P.K. 2017. Panmixia and dispersal from the Mediterranean Basin to Macaronesian Islands of a macrolichen species. *Sci. Rep.* 7: 40879. (Biog, SisM, *Parmelina*, Av, Ca, Cs, Portugal). doi: 10.1038/srep40879.
1770. Atienza, V., Araujo, E., Burgaz, A.R., Carballal, R., Etayo, J., Fos, S., Gómez-Bolea, A., Llop, E., López de Silanes, M.E., Marcos, B., Marques, J., Martínez, I., Millanes, A.M., Navarro-Rosinés, P., Paz-Bermúdez, G., Pérez-Vargas, I., Prieto, M., Rodríguez, S., Rodríguez-Arribas, C., Vivas, M. & Pérez-Ortega, S. 2017. Towards a Red List of lichen-forming and lichenicolous fungi in Spain and Portugal. *Brit. Lich. Soc.* 120: 43-53. (Conser, Esp, Portugal).
1771. Ballesteros, M., Ayerbe, J., Casares, M., Cañadas, E.M. & Lorite, J. 2017. Successful lichen translocation on disturbed gypsum areas: A test with adhesives to promote the recovery of biological soil crusts. *Sci. Rep.* 7: 45606. (Ecol, *Diploschistes*, Gr). doi: 10.1038/srep45606.
1772. Burgaz, A.R. 2017. Bibliografía Botánica Ibérica, 2016. Líquenes. *Bot. Complut.* 41: 109-113. (Bibl). <http://dx.doi.org/10.5209/BOCM.56869>.
1773. Burgaz, A.R., Atienza, V., Chesa, M.J., Chiva, S., Fernández-Salegui, A.B., Fontecha, A., Gómez-Bolea, A., Gutiérrez, B., Llop, E., López de Silanes, M.E., Pérez-Llamazares, A., Pino-Bodas, R., Prats, S., Rodríguez, C. & Trobajo-Pérez, S. 2017. Lichens and lichenicolous fungi of Serranía de Ronda (Málaga-Cádiz), southern Spain. *Bot. Complut.* 41: 9-28. (Flora, Ca, Ma). <http://dx.doi.org/10.5209/BOCM.56861>.
1774. Cardós, J.L.H., Aragón, G. & Martínez, I. 2017. A species on a tightrope: Establishment limitations of an endangered lichen in a fragmented Mediterranean landscape. *Am. J. Bot.* 104: 527-537. (Ecol, *Pectenia*, CR). doi: 10.3732/ajb.1600338.
1775. Colesie, C., Williams, L. & Büdel, B. 2017. Water relations in the soil crust lichen *Psora decipiens* are optimized via anatomical variability. *Lichenologist* 49(5): 483-492. (Anat, Ecol, *Psora*, Al). DOI: <https://doi.org/10.1017/S0024282917000354>.
1776. Concostrina-Zubiri, L., Matos, P., Giordani, P. & Branquinho, C. 2017. Biocrust tissue traits as potential indicators of global change in the Mediterranean. *Plant Soil* 1-16. (Ecol, *Cladonia*, Portugal). <https://doi.org/10.1007/s11104-017-3483-7>.
1777. Cornejo, C., Derr, C. & Dillman, K. 2017. *Ricasolia amplissima* (Lobariaceae): one species, three genotypes and a new taxon from south-eastern Alaska. *Lichenologist* 49(6): 579-596. (SisM, *Ricasolia*, C, Gu, Portugal). doi: <https://doi.org/10.1017/S002428291700041X>.
1778. De la Torre, R., Miller, A.Z., Cubero, B., Martín-Cerezo, M.L., Raguse,

¹ Departamento de Biodiversidad, Ecología y Evolución (Unidad de Botánica), Facultad de Biología, Universidad Complutense Madrid. arburgaz@ucm.es
<http://dx.doi.org/10.5209/BOCM.61377>

- M. & Meeßen, J. 2017. The effect of high-dose ionizing radiation on the astrobiological model lichen *Circinaria gyrosa*. *Astrobiology* 17(2): 145-153. (Quim, *Circinaria*, *Xanthoria*, Esp). doi: 10.1089/ast.2015.1454.
1779. Divakar, P.K., Crespo, A., Kraichak, E., Leavitt, S.D., Singh, G., Schmitt, I. & Lumbsch, H.Th. 2017. Using a temporal phylogenetic method to harmonize family and genus-level classification in the largest clade of lichen-forming fungi. *Fungal Diversity* 84(1): 101-117. (SisM, *Parmotrema*, *Protoparmelia*, *Xanthoparmelia*, Ca, Ge, Gu, Lo, M, Sa, So, Za, Z, Portugal). doi: 10.1007/s13225-017-0379-z.
1780. Domínguez-Moruco, N., Augusto, S., Trabalón, L., Pocurull, E., Borrull, F., Schuhmacher, M., Domingo, J.L. & Nadal, M. 2015. Monitoring PAHs in the petrochemical area of Tarragona County, Spain: comparing passive air samplers with lichen transplants. *Environ. Sci. Pollut. Res.* 24: 11890-11900. (Quim, *Ramalina*, T). doi: 10.1007/s11356-015-5612-2.
1781. Etayo, J. & Pérez-Ortega, S. 2016. Lichenicolous lichens and fungi from Monfragüe National Park (western Spain). *Herzogia* 29: 315-328. (Flora, Cc). <https://doi.org/10.13158/heia.29.2.2016.315>.
1782. Ferencova, Z., Rico, V.J. & Hawksworth, D.L. 2017. Extraction of DNA from lichen-forming and lichenicolous fungi: a low-cost fast protocol using Chelex. *Lichenologist* 49(5): 521-525. (SisM, *Abrothallus*, *Lichenostigma*, *Parmelia*, *Parmelina*, Esp). doi: <https://doi.org/10.1017/S0024282917000329>.
1783. Fos Martín, S., Gómez-Serrano, M.A., Sanchis Carles, M.J. & Agueras Moreno, M. 2017. Redescubrimiento del líquen *Lobaria pulmonaria*, aparentemente extinto en la Comunidad Valenciana. *Flora Montiberica* 67: 114-119. (Conser, Flora, *Lobaria*, Cs).
1784. Kondratyuk, S.Y., Lőkös, L., Halda, J.P., Roux, C., Upreti, D.K., Schumm, F., Mishra, G.K., Nayaka, S., Farkas, E., Park, J.S., Lee, B.G., Liu, D., Wooand, J.-J. & Hur, J.-S. 2017. New and noteworthy lichen-forming and lichenicolous fungi 6. *Acta Bot. Hungarica* 59(1-2): 137-260. (Tax, *Xanthoria*, Esp, Portugal). <https://doi.org/10.1556/034.59.2017.1-2>.
1785. Lendemer, J.C. 2017. Recent bibliography on lichens-244, 245, 246, 247. *Bryologist* 120: 97-109, 236-256, 361-369, 537-548. (Bibl). doi: 10.1639/0007-2745-120.1.097.
1786. Llop, E., Pinho, P., Ribeiro, M.C., Pereira, M.J. & Branquinho, C. 2017. Traffic represents the main source of pollution in small Mediterranean urban areas as seen by lichen functional groups. *Environ. Sc. Pollut. Res. Intern.* 24(13): 12016-12025. (Quim, Conser, Portugal). doi: 10.1007/s11356-017-8598-0.
1787. Lutsak, T., Fernández-Mendoza, F., Nadyeina, O. & Şenkardeşler, A. 2017. Testing the correlation between norstictic acid content and species evolution in the *Cetraria aculeata* group in Europe. *Lichenologist* 49(1): 39-56. (SisM, Quim, *Cetraria*, Gu, J, Le, M, O, Sg, So, Za). doi:<https://doi.org/10.1017/S0024282916000566>.
1788. Maceda-Veiga, A. & Gómez-Bolea, A. 2017. Small, fragmented native oak forests have better preserved epiphytic lichen communities than tree plantations in a temperate sub-oceanic Mediterranean climate region. *Bryologist* 120(2): 191-201. (Bioin, Ecol, Lu). doi: 10.1639/0007-2745-120.2.191.
1789. Malíček, C., Berger, F., Palice, Z. & Vondrák, J. 2017. Corticolous sorediate *Lecanora* species (Lecanoraceae, Ascomycota) containing atranorin in Europe. *Lichenologist* 49(5): 431-455. (SisM, *Lecanora*, *Protoparmelia*, Gu, Portugal). doi:<https://doi.org/10.1017/S002428291700038X>.
1790. Meeßen, J., Backhaus, T., Brandt, A., Raguse, M., Böttger, U., de Vera, J.P. & de la Torre, R. 2017. The effect of high-dose ionizing radiation on the isolated photobiont of the astrobiological model lichen *Circinaria gyrosa*. *Astrobiology* 17(2): 154-162. (Quim, *Circinaria*, Esp). <https://doi.org/10.1089/ast.2015.1453>.
1791. Merinero, S., Méndez, M., Aragón, G. & Martínez, I. 2017. Variation in the reproductive strategy of a lichenized

- fungus along a climatic gradient. *Ann. Bot.* 120: 63-70. (Ecol, *Lobarina*, Esp). doi: 10.1093/aob/mcx045.
1792. Merinero, S., Aragón, G. & Martínez, I. 2017. Intraspecific life history variation in contrasting habitats: Insights from an obligate symbiotic organism. *Am. J. Bot.* 104: 1099-1107. (Ecol, *Lobarina*, Esp). doi: 10.3732/ajb.1700017.
1793. Míguez, F., Fernández-Marín, B., Becerril, J.M. & García-Plazola, J.I. 2017. Diversity of winter photoinhibitory responses: a case study in co-occurring lichens, mosses, herbs and woody plants from subalpine environment. *Physiol. Plantarum* 160: 282-296. (Ecol, *Lasallia*, Esp). doi: 10.1111/ppl.12551.
1794. Molina, C., Divakar, P.K., Goward, T., Millanes, A.M., Lumbsch, H.T. & Crespo, A. 2017. Neogene diversification in the temperate lichen-forming fungal genus *Parmelia* (Parmeliaceae, Ascomycota). *Syst. Biodivers.* 15(2): 166-181. (SisM, *Parmelia*, Cs, M, Portugal). doi: 10.1080/14772000.2016.1226977.
1795. Moreno Traba, H., Domínguez-Morueco, N., Barreno, E. & Catalá, M. 2017. Lichen microalgae are sensitive to environmental concentrations of atrazine. *J. Environ. Sci. Health B* 52: 223-228. (Cont, Quim, *Asterochloris*, *Trebouxia*, Esp). doi: 10.1080/03601234.2016.1270679.
1796. Moya, P., Škaloud, P., Chiva, S., García-Breijó, F.J., Reig-Armiñana, J., Vančurová, L. & Barreno, E. 2015. Molecular phylogeny and ultrastructure of the lichen microalga *Asterochloris mediterranea* sp. nov. from Mediterranean and Canary Islands ecosystems. *Int. J. Syst. Evol. Microbiol.* 65: 1838-1854. (SisM, *Asterochloris*, *Cladonia*, Av, B, Gr, Gu, Na, T, Portugal). doi: 10.1099/ij.s.0.000185. Epub 2015 Mar 10.
1797. Munzi, S., Cruz, C., Maia, R., Máguas, C., Perestrello-Ramos, M.M. & Branquinho, C. 2017. Intra- and inter-specific variations in chitin in lichens along a N-deposition gradient. *Environ. Sci. Pollut. Res. Int.* 24(36): 28065-28071. (Quim, *Evernia*, *Parmotrema*, *Usnea*, *Xanthoria*, Portugal). doi: 10.1007/s11356-017-0378-3.
1798. Navarro-Rosinés, P. & Roux, C. 2017. *Sphaerellothecium aipolium* Vouaux ex Nav.-Ros. et Cl.Roux sp. nov. (Mycosphaerellaceae, Dothideomycetes), un hongo liquenícola no liquenizado que crece sobre *Physcia*. *Bull. Soc. Linn. Provence* 68: 141-149. (Tax, *Physcia*, *Sphaerellothecium*, Ge, L, Te).
1799. Otálora, M.A.G., Aragón, G., Martínez, I. & Wedin, M. 2017. Species delimitation and phylogeography of the *Pectenia* species-complex: A misunderstood case of species-pairs in lichenized fungi, where reproduction mode does not delimit lineages. *Fungal Biology* 121: 222-233. (Ecol, *Pectenia*, Esp). doi:10.1016/j.funbio.2016.12.001.
1800. Pinho, P., Barros, C., Augusto, S., Pereira, M.J., Máguas, C. & Branquinho, C. 2017. Using nitrogen concentration and isotopic composition in lichens to spatially assess the relative contribution of atmospheric nitrogen sources in complex landscapes. *Environ. Pollut.* 230: 632-638. (Quim, *Parmotrema*, Portugal). doi:10.1016/j.envpol.2017.06.102.
1801. Pino-Bodas, R., Laakso, I. & Stenroos, S. 2017. Genetic variation and factors affecting the genetic structure of the lichenicolous fungus *Heterocephalacria bachmannii* (Filobasidiales, Basidiomycota). *PLoS ONE* 12(12): e0189603. (SisM, *Cladonia*, *Heterocephalacria*, Cc, Sa, So, To, Z, Portugal). <https://doi.org/10.1371/journal.pone.0189603>.
1802. Pino-Bodas, R., Zhurbenko, M.P. & Stenroos, S. 2017. Phylogenetic placement within Lecanoromycetes of lichenicolous fungi associated with *Cladonia* and some other genera. *Persoonia* 39: 91-117. (SisM, *Cladonia*, *Epicladonia*, To). doi:<https://doi.org/10.3767/persoonia.2017.39.05>.
1803. Prieto, M. & Wedin, M. 2017. Phylogeny, taxonomy and diversification events in the Caliciaceae. *Fungal Diversity* 82: 221-238. (SisM, Caliciaceae). doi: 10.1007/s13225-016-0372-y.
1804. Prieto, M., Martínez, I., Aragón, G. & Verdú, M. 2017. Phylogenetic and func-

- tional structure of lichen communities under contrasting environmental conditions. *J. Veg. Sci.* 28: 871-881. (Ecol, C, Gu, Lo). doi: 10.1111/jvs.12544.
1805. Rubio-Salcedo, M., Psomas, A., Prieto, M., Zimmermann, N. E., Martínez, I. 2017. Case study of the implications of climate change for lichen diversity and distributions. *Biodiver. Conser.* 26: 1121-1141. (Ecol, Esp, Portugal). doi:10.1007/s10531-016-1289-1.
1806. Singh, G., Dal Grande, F., Divakar, P.K., Otte, J., Crespo, A. & Schmitt, I. 2017. Fungal-algal association patterns in lichen symbiosis linked to macroclimate. *New Phytol.* 214(1): 317-329. (SisM, Ecol, *Protopermelia*, *Trebouxia*, Esp). doi:10.1111/nph.14366.
1807. Van den Boom, P.P.G. 2017. Lichens and lichenicolous fungi of Estremadura, Portugal, collected in 2015. *Acta Bot. Hungarica* 59(3-4): 449-458. (Flora, Portugal). <https://doi.org/10.1556/034.59.2017.3-4.11>.
1808. Van den Boom, P.P.G., Brand, A.M., Coppins, B.J. & Sérusiaux, E. 2017. Two new species in the *Micarea prasi-* *na* group from Western Europe. *Lichenologist* 49(1): 13-25. (SisM, *Micarea*, Portugal). doi:<https://doi.org/10.1017/S0024282916000633>.
1809. Vivas, M., Pérez-Ortega, S., Pintado, A. & Sancho, L.G. 2017. Fv/Fm acclimation to the Mediterranean summer drought in two sympatric *Lasallia* species from the Iberian mountains. *Lichenologist* 49(2): 157-165. (Quim, *Lasallia*, M). doi:<https://doi.org/10.1017/S0024282917000032>.
1810. Zahradníková, M., Tønsberg, T. & Andersen, H.L. 2017. The taxonomy of the lichen *Fuscidea cyathoides* (Fuscideaceae, Umbilicariomycetidae, Ascomycota) in Europe. *Lichenologist* 49(6): 547-560. (SisM, *Fuscidea*, Esp, Portugal). doi:<https://doi.org/10.1017/S0024282917000524>.
1811. Zamora, J.C., Diederich, P., Millanes, A.M., Wedin, M. 2017. An old familiar face: *Tremella anaptychiae* sp. nov. (Tremellales, Basidiomycota). *Phytotaxa* 307: 254-262. (SisM, *Tremella*, Gu, Lo, Na). <https://doi.org/10.11646/phytotaxa.307.4.3>.

Índice temático

Anatomía (Anat): 1775.

Bibliografía (Bibl): 1772, 1785.

Biografías (Biog): 1769.

Bioindicadores (Bioind): 1788.

Conservación (Conser): 1770, 1783, 1786.

Contaminación (Cont): 1795.

Ecología (Ecol): 1771, 1774, 1775, 1776, 1788, 1791, 1792, 1793, 1799, 1804, 1805, 1806.

Fitoquímica (Quim): 1778, 1780, 1795, 1797, 1800, 1786, 1787, 1790, 1809.

Flora (Flora): 1773, 1781, 1783, 1807.

Sistemática (Tax): 1784, 1798.

Sistemática Molecular (SisM): 1769, 1777, 1779, 1782, 1787, 1789, 1794, 1796, 1801, 1802, 1803, 1806, 1808, 1810, 1811.

Índice taxonómico

Abrothallus: 1782.

Asterochloris: 1795, 1796.

Caliciaceae: 1803.

Cladonia: 1776, 1796, 1801, 1802.

Cetraria: 1787.

Circinaria: 1778, 1790.

Diploschistes: 1771.

Epicladonia: 1802.

Evernia: 1797.

Fuscidea: 1810.

Heterocephalacria: 1801.

Lasallia: 1793, 1809.

Lecanora: 1789.

Lichenostigma: 1782.

Lobarina: 1783.

Lobarina: 1791, 1792.

Micarea: 1808.

Parmelia: 1782, 1794.

Parmelina: 1769, 1782.

Parmotrema: 1779, 1797, 1800.

Pecten: 1774, 1799.
Physcia: 1798.
Protoparmelia: 1779, 1789, 1806.
Psora: 1775.
Ramalina: 1780.
Ricasolia: 1777.

Sphaerellothecium: 1798.
Trebouxia: 1795, 1806.
Tremella: 1811.
Usnea: 1797.
Xanthoparmelia: 1779.
Xanthoria: 1778, 1784, 1797.

Índice geográfico

Almería (Al): 1775.
Asturias (O): 1787.
Ávila (Av): 1769.
Barcelona (B): 1796.
Cáceres (Cc): 1781, 1801.
Cádiz (Ca): 1769, 1773, 1779.
Castellón (Cs): 1769, 1783, 1794.
Ciudad Real (CR): 1774.
Coruña, La (C): 1777, 1804.
Gerona (Ge): 1779, 1798.
Granada (Gr): 1796, 1771.
Guadalajara (Gu): 1777, 1779, 1787, 1789,
 1796, 1804, 1811.
Jaén (J): 1787.
León (Le): 1787.
Lérida (L): 1798.
Lugo (Lu): 1788.
Madrid (M): 1779, 1787, 1794, 1809.

Málaga (Ma): 1773.
Navarra (Na): 1796, 1811.
Rioja, La (Lo): 1779, 1804, 1811.
Salamanca (Sa): 1779, 1801.
Segovia (Sg): 1787.
Soria (So): 1779, 1787, 1801.
Tarragona (T): 1780, 1796.
Teruel (Te): 1798.
Toledo (To): 1801, 1802.
Zamora (Za): 1779, 1787.
Zaragoza (Z): 1779, 1801.
ESPAÑA (Esp): 1770, 1778, 1782, 1784,
 1790, 1791, 1792, 1793, 1795, 1799,
 1805, 1806, 1810.
PORTUGAL: 1769, 1770, 1776, 1777, 1779,
 1784, 1786, 1789, 1794, 1796, 1797,
 1800, 1801, 1805, 1807, 1808, 1810.