

Bibliografía Botánica Ibérica, 2016. Líquenes

Ana Rosa Burgaz¹**Cómo citar:** Burgaz, A. R. (2017). Bibliografía Botánica Ibérica, 2016. Líquenes. *Bot. complut.* 41: 109-113.

1726. Alors, D., Lumbsch, H.T., Divakar, P.K., Leavitt, S.D. & Crespo, A. 2016. An integrative approach for understanding diversity in the *Punctelia rudecta* species complex (Parmeliaceae, Ascomycota). *Plos One* 11(2): e-0146537. (SisM, *Flavopunctelia*, *Punctelia*, Cs, M, Po, Te, Portugal). doi: 10.1371/journal.pone.0146537.
1727. Aragón, G., Belinchón, R., Martínez, I., Prieto, M. 2016. A survey method for assessing the richness of epiphytic lichens using growth forms. *Ecol. Indic.* 62: 101–105. (Cons, Ab, CR, Cu, Gu, To). doi: 10.1016/j.ecoind.2015.11.034
1728. Athukorala, S.N.P., Pino-Bodas, R., Stenroos, S., Ahti, T. & Piercey-Normore, M.D. 2016. Phylogenetic relationships among reindeer lichens of North America. *Lichenologist* 48(3): 209-227. (SisM, *Cladonia*, Bu, Fo, Portugal). doi: 10.1017/S0024282915000572
1729. Biosca, E.G., Flores, R., Santander, R.D., Díez-Gil, J.L. & Barreno, E. 2016. Innovative approaches using lichen enriched media to improve isolation and culturability of lichen associated bacteria. *Plos One* 11(8): e0160328. (Quim, Bacteria, *Pseudevernia*, Te). <https://doi.org/10.1371/journal.pone.0160328>
1730. Burgaz, A.R. 2016. Bibliografía Botánica Ibérica, 2015. Líquenes. *Bot. Complut.* 40: 203-207. (Bibl). <http://dx.doi.org/10.5209/BOCM.53211>
1731. Cardós, J.L.H., Martínez, I., Calvo, V., Aragón, G. 2016. Epiphyte communities in Mediterranean fragmented forests: importance of the fragment size and the surrounding matrix. *Landscape Ecol.* 31: 1975-1995. (Ecol, To). doi: 10.1007/s10980-016-0375-9
1732. Casano, L.M., Braga, M.R., Álvarez, R., Del Campo, E.M., Barreno, E. 2015. Differences in the cell walls and extracellular polymers of the two *Trebouxia* microalgae coexisting in the lichen *Ramalina farinacea* are consistent with their distinct capacity to immobilize extracellular Pb. *Plant Sci.* 236:195-204. (SisM, *Ramalina*, *Trebouxia*, Cs). doi: 10.1016/j.plantsci.2015.04.003.
1733. Catalá, S., Del Campo, E.M., Barreno, E., García-Breiño, F.J., Reig-Armiñana, J. & Casano, L.M. 2016. Coordinated ultrastructural and phylogenomic analyses shed light on the hidden phycobiont diversity of *Trebouxia* microalgae in *Ramalina fraxinea*. *Mol. Phylogenet. Evol.* 94(B): 765-777. (SisM, *Ramalina*, *Trebouxia*, Lo, M, Na, O, Te). doi: 10.1016/j.ympev.2015.10.021.
1734. Clerc, P. 2016. Notes on the genus *Usnea* (lichenized Ascomycota, Parmeliaceae) IV. *Herzogia* 29: 403-411. (*Usnea*).
1735. Crespo Pardo, E. 2016. Actualización del checklist de líquenes y hongos liquenícolas de Galicia. *Rev. Biol. Univ. Vigo* 8: 137-145. (Flora, C, Lu, Or, Po).

1 Departamento de Biología Vegetal I, Facultad de Biología, Universidad Complutense Madrid. arburgaz@ucm.es
<http://dx.doi.org/10.5209/BOCM.56869>

1736. Del Campo E.M., Catalá, S., Gimeno, J., del Hoyo, A., Martínez-Alberola, F., Casano, L.M., Grube, M. & Barreno, E. 2013. The genetic structure of the cosmopolitan three-partner lichen *Ramalina farinacea* evidences the concerted diversification of symbionts. *FEMS Microbiol Ecol.* 83(2): 310-23. (SisM, *Ramalina*, *Trebouxia*, CR, Cs, Le, O). doi: 10.1111/j.1574-6941.2012.01474.x.
1737. Del-Prado, R., Divakar, P.K., Lumbsch, H.T. & Crespo, A.M. 2016. Hidden genetic diversity in an asexually reproducing lichen forming fungal group. *Plos One* 11(8): e0161031. (SisM, *Parmotrema*, Ca, Mll, Po, Portugal). <https://doi.org/10.1371/journal.pone.0161031>
1738. Díaz Peña, E.M., Cutrona, C., Sánchez Elordi, E., Legaz González, M.E. & Vicente Córdoba, C. 2016. Direct and cross-recognition of lichenized *Trebouxia* Puymaly (Chlorophyta, Trebouxiophyceae) and *Nostoc* Vaucher ex Bornet (Cyanobacteria, Cyanophyceae) by their homologous and heterologous fungal lectins. *Braz. J. Bot.* 39(2): 507-518. (Quim, *Evernia*, *Peltigera*, M). doi 10.1007/s40415-016-0268-9
1739. Díaz Peña, E.M., Vicente-Manzanares, M., Legaz González, M.E. & Vicente Cordoba, C. 2015. A cyanobacterial b-actin-like protein, responsible for lichenized *Nostoc* sp. motility towards a fungal lectin. *Acta Physiol. Plant.* 37(11): 1-11. (Quim, *Peltigera*, M). doi: 10.1007/s11738-015-2007-4
1740. Diaz, E.-M., Ampe, C., van Troys, M., Vicente-Manzanares, M., Legaz, M.-E., Vicente, C. 2016. An actomyosin-like cytoskeleton in the cyanobiont (*Nostoc* sp.) of *Peltigera canina*. *Phytochem. Lett.* 16: 249-256. (Quim, *Peltigera*, *Nostoc*, M). <https://doi.org/10.1016/j.phytol.2016.05.005>
1741. Divakar, P.K., Leavitt, S.D., Molina, M.C., Del-Prado, R., Lumbsch, H.T. & Crespo, A. 2016. A DNA barcoding approach for identification of hidden diversity in Parmeliaceae (Ascomycota): *Parmelia* sensu stricto as a case study. *Bot. J. Linn. Soc.* 18(1): 21-29. (SisM, *Parmelia*, Av, Bu, Ca, Cc, Cs, Le, M, Sa, Portugal). doi: 10.1111/boj.12358
1742. Etayo, J. & Pérez-Ortega, S. 2016. Lichenicolous lichens and fungi from Monfragüe National Park (western Spain). *Herzogia* 29(2): 315-328. (Flora, Tax, Cc). doi: 10.13158/heia.29.2.2016.315
1743. Fernández-Moriano, C., González-Burgos, E., Divakar, P. K., Crespo, A. & Gómez-Serranillos, M.P. 2016. Evaluation of the antioxidant capacities and cytotoxic effects of ten Parmeliaceae lichen species J. Evid. Based Complementary Altern. Med. 2016, ID 3169751: 1-11. (Quim, *Parmelia*, Av). <http://dx.doi.org/10.1155/2016/3169751>
1744. Guéra, A., Gasulla, F. & Barreno, E. 2016. Formation of photosystems II reaction centers that work as energy sinks in lichen symbiotic Trebouxio-phyceae microalgae. *Photosynth. Res.* 128(1): 15-33. (Quim, *Asterochloris*, *Trebouxia*, *Ramalina*). doi: 10.1007/s11120-015-0196-8
1745. Gutiérrez-Carretero, L. & Casares-Porcel, M. 2011. Los líquenes de los afloramientos de yesos de la Península Ibérica. En: J.F. Mota Poveda, P. Sánchez Gómez, & J.S. Guirado Romera (Eds.) *Diversidad vegetal de las yeseras ibéricas: 549-567*. ADIF y Mediterráneo Asesores Consultores, Almería. (Flora, Al).
1746. Illana-Esteban, C. 2016. Líquenes usados en perfumería. *Bol. Soc. Micologica Madrid* 40: 217-223. (Etnob).
1747. Kirika, P.M., Divakar, P.K., Crespo, A., Leavitt, S.D., Mugambi, G., Gatheri, G.W. & Lumbsch, H. T. 2016. Polyphyly of the genus *Cano-*parmelia**-uncovering incongruences between phenotype-based classification and molecular phylogeny within lichenized Ascomycota (Parmeliaceae). *Phytotaxa* 289(1): 36-48. (SisM, *Cetrelia*, O). doi: <http://dx.doi.org/10.11646/phytotaxa.289.1.2>
1748. Leavitt, S., Kraichak, E., Vondrak, J., Nelsen, M.P., Sohrabi, M., Pérez-Ortega, S., St. Clair, L.L. & Lumbsch, H. T. 2016. Cryptic diversity and symbiont interactions in rock-posy lichens. *Mol. Phylogenet. Evol.* 99: 261-274.

- (Quim, SisM, *Rhizoplaca*, Gr, M, Te). doi: 10.1016/j.ympcv.2016.03.030
1749. Leavitt, S.D., Divakar, P.K., Crespo, A. & Lumbsch, H.T. 2016. A matter of time-understanding the limits of the power of molecular data for delimiting species boundaries. *Herzogia* 29: 479-492. (SisM, Parmeliaceae).
1750. Lendemer, J.C. 2016. Recent bibliography on lichens-240. *Bryologist* 119(1): 107-120. (Bibl). doi: 10.1639/0007-2745-119.1.107
1751. Lendemer, J.C. 2016. Recent bibliography on lichens-241. *Bryologist* 119(2): 220-240. (Bibl). doi: 10.1639/0007-2745-119.2.220
1752. Lendemer, J.C. 2016. Recent bibliography on lichens-242. *Bryologist* 119(3): 316-327. (Bibl). doi: 10.1639/0007-2745-119.3.316
1753. Lendemer, J.C. 2016. Recent bibliography on lichens-243. *Bryologist* 119(4): 446-458. (Bibl). doi: 10.1639/0007-2745-119.4.446
1754. Lepista, Z. & Aptroot, A. 2016. Seven species of *Graphis* from Portugal reported new to Europe. *Lichenologist* 48(4): 259-267. (Tax, *Graphis*, Portugal). doi: 10.1017/S0024282916000153
1755. Maestre, F.T., Escolar, C., Bardgett, R.D., Dungait, J.A.J., Gozalo, B. & Ochoa, V. 2015. Warming reduces the cover and diversity of biocrust-forming mosses and lichens, and increases the physiological stress of soil microbial communities in a semi-arid *Pinus halepensis* plantation. *Front. Microbiol.* 6: 865. (Ecol, *Diploschistes*, *Fulgensia*, *Squamarina*, *Toninia*, *Psora*, A). doi: 10.3389/fmicb.2015.00865
1756. Marques, J., Gonçalves, J., Oliveira, C., Favero-Longo, S.E., Paz-Bermúdez, G., Almeida, R. & Prieto, B. 2016. On the dual nature of lichen-induced rock surface weathering in contrasting micro-environments. *Ecology* 97(10): 2844-2857. (Ecol, Quim, *Aspicilia*, *Caloplaca*, *Lecanora*, *Peltula*, doi: 10.1002/ecy.1525
1757. Martín Polo, F. 2016. Simón de Rojas Clemente. Universitat de València. (Biog).
1758. Millanes, A.M., Diederich, P. & Wedin, M. 2016. *Cyphobasidium* gen. nov., a new lichen-inhabiting lineage in the Cystobasidiomycetes (Pucciniomycotina, Basidiomycota, Fungi). *Fungal Biol.* 120(11): 1468-1477. (SisM, *Occultifur*, Portugal). <https://doi.org/10.1016/j.funbio.2015.12.003>
1759. Millanes, A. M., Diederich, P., Westberg, M. & Wedin, M. 2016. Three new species in the *Biatoropsis usnearum* complex. *Herzogia* 29(2): 337-354. (SisM, *Biatoropsis*, L, M, Na, Pa).
1760. Nadyeina, O., Cornejo, C., Boluda C.G., Myllys, L. Rico, V.J., Crespo, A. & Scheidegger, C. 2014. Characterization of microsatellite loci in lichen forming-fungi in *Bryoria* section *Implexae* (Parmeliaceae). *Appl. Plant Sci.* 2(7): 1400037. (SisM, *Bryoria*, Sg). doi:10.3732/apps.1400037
1761. Onofri, S., de Vera, J.P., Zucconi, L., Selbmann, L., Scalzi, G., Venkateswaran, K. J., Rabbow, E., de la Torre, R., Horneck, G. 2015. Survival of Antarctic cryptoendolithic fungi in simulated Martian conditions on board the International Space Station. *Astrobiology* 15(12): 1052-9 (Ecol, *Rhizocarpon*, *Xanthoria*, Av). doi: 10.1089/ast.2015.1324.
1762. Pérez-Ortega, S., Garrido-Benavent, I., Grube, M., Olmo, R., de los Ríos, A. 2016. Hidden diversity of marine borderline lichens and a new order of fungi : Collemopsidiales (Dothideomycete). *Fungal Diversity* 80: 285-300. (SisM, *Collemopsisidium*, Esp, Portugal). doi: 10.1007/s13225-016-0361-1
1763. Pino-Bodas, R., Pérez-Vargas, I., Ahti, T., Stenroos, S. & Burgaz, A. R. 2016. Sharpening the species boundaries in the *Cladonia mediterranea* (Cladoniaceae, Ascomycota) complex. *Persoonia* 37: 1-12 (SisM, *Cladonia*, Bu, V, Portugal). doi: 10.3767/003158516X688081
1764. Pozo-Antonio, J.S., Fiorucci, M.P., Rivas, T., López, A.J., Ramil, A. & Barral, D. 2016. Suitability of hyperspectral imaging technique to evaluate the effectiveness of the cleaning of a crustose lichen developed on granite. *Appl. Phys. A Mat. Sci. Process.* 122(2): 1-9. (Quim, *Pertusaria*, Po). doi: 10.1007/s00339-016-9634-5

1765. Ribeiro, M.C., Pinho, P., Branquinho, C., Llop, E. & Pereira, M.J. 2016. Geostatistical uncertainty of assessing air quality using high-spatial-resolution lichen data: a health study in the urban area of Sines, Portugal. *Sci. Total Environm.* 562: 740-750. (Quim, Portugal). doi: 10.1016/j.scitotenv.2016.04.081
1766. Roca-Valiente, B., Hawksworth, D.L., Pérez-Ortega, S., Sancho, L.G., Crespo, A. 2016. Type studies in the *Rhizocarpon geographicum* group (Rhizocarpaceae, lichenized Ascomycota). *Lichenologist* 48(2): 97-110. (Tax, *Rhizocarpon*, Portugal). doi: 10.1017/S002428291500050X
1767. Sérgio, C., Carvalho, P., Garcia, C.A., Almeida, E., Novais, V., Sim-Sim, M., Jordão, H. & Sousa, A. J. 2016. Floristic changes of epiphytic flora in the Metropolitan Lisbon area between 1980–1981 and 2010–2011 related to urban air quality *Ecol. Indic.* 67: 839-852. (Quim, Flora, Portugal). <http://dx.doi.org/10.1016/j.ecolind.2016.03.022>
1768. Zamora, J.C., Millanes, A.M., Wedin, M., Rico, V.J., Pérez-Ortega, S. 2016. Understanding lichenicolous heterobasidiomycetes: new taxa and reproductive innovations in *Tremella* s.l. *Mycologia* 108(2): 381-396. (SisM, *Lecanora*, *Lecidea*, *Ramalina*, *Tremella*, Av, J, M, O, Sg, To, Portugal). doi: 10.3852/15-090

Índice temático

Bibliografía (Bibl): 1730, 1750, 1751, 1752, 1753.

Biografías (Biog): 1757.

Conservación (Conser): 1727.

Ecología (Ecol): 1731, 1755, 1756, 1761.

Etnobotánica (Etnob): 1746.

Fitoquímica (Quim): 1729, 1738, 1739, 1740, 1743, 1744, 1748, 1756, 1764, 1765, 1767.

Flora (Flora): 1735, 1742, 1745, 1767.

Sistemática (Tax): 1742, 1745, 1766.

Sistemática Molecular (SisM): 1726, 1728, 1732, 1733, 1736, 1737, 1741, 1747, 1748, 1749, 1758, 1759, 1760, 1762, 1763, 1768.

Índice taxonómico

Aspicilia: 1756.

Asterochloris: 1744.

Bacteria: 1729.

Biaroropsis: 1759.

Bryoria: 1760.

Caloplaca: 1756.

Cladonia: 1728, 1763.

Cetrelia: 1747.

Collembosidium: 1762.

Diploschistes: 1755.

Evernia: 1738.

Flavopunctelia: 1726.

Fulgensia: 1755.

Graphis: 1754.

Lecanora: 1756, 1768.

Lecidea: 1768.

Nostoc: 1740.

Occultifur: 1758.

Parmelia: 1741, 1743.

Parmeliaceae: 1749.

Parmotrema: 1737.

Peltigera: 1738, 1739, 1740.

Peltula: 1756.

Pertusaria: 1764.

Pseudevernia: 1729.

Psora: 1755.

Punctelia: 1726.

Ramalina: 1732, 1733, 1736, 1744, 1768.

Rhizocarpon: 1761, 1766.

Rhizoplaca: 1748.

Squamarina: 1755.

Toninia: 1755.

Trebouxia: 1732, 1733, 1736, 1744.

Tremella: 1768.

Usnea: 1734.

Xanthoria: 1761.

Índice geográfico**Albacete** (Ab): 1727.**Alicante** (A): 1755.**Almería** (Al): 1745.**Asturias** (O): 1733, 1736, 1747, 1768.**Ávila** (Av): 1741, 1743, 1761, 1768.**Baleares:****Mallorca** (Mll): 1737.**Formentera** (Fo): 1728.**Burgos** (Bu): 1728, 1741, 1763.**Cáceres** (CC): 1741, 1742.**Cádiz** (Ca): 1737, 1741.**Castellón** (Cs): 1726, 1732, 1736, 1741.**Ciudad Real** (CR): 1727, 1736.**Coruña, La** (C): 1735.**Cuenca** (Cu): 1727.**Granada** (Gr): 1748.**Guadalajara** (Gu): 1727.**Jaén** (J): 1768.**León** (Le): 1736, 1741.**Lugo** (Lu): 1735.**Madrid** (M): 1726, 1733, 1738, 1739, 1740,
1741, 1748, 1768.**Navarra** (Na): 1733.**Orense** (Or): 1735.**Pontevedra** (Po): 1726, 1735, 1737, 1764.**Rioja, La** (Lo): 1733.**Salamanca** (Sa): 1741.**Segovia** (Sg): 1760, 1768.**Teruel** (Te): 1726, 1729, 1733, 1748.**Toledo** (To): 1726, 1731, 1768.**Valencia** (V): 1763.**ESPAÑA** (Esp): 1762.**PORTUGAL**: 1728, 1737, 1741, 1754, 1758,
1762, 1763, 1765, 1766, 1767, 1768.