

Bibliografía Botánica Ibérica, 2017. Phycophyta

Tomás Gallardo¹ y Miguel Álvarez Cobelas²

Cómo citar: Gallardo, T. y Álvarez Cobelas, M. (2018). Bibliografía Botánica Ibérica, 2017. Phycophyta. *Bot. complut.* 42: 187-197.

1836. Álvarez Cobelas, M. 2017. Luis María Lubián Chaichío (1951-2017): una vida junto a las algas. *Algas, Bol. Soc. Esp. Ficol.* 53: 14-22. (Biogr).
1837. Álvarez Cobelas, M., Soriano, O. & Cirujano, S. 2017. Breve limnología de un embalse afectado por vertidos urbanos (Los Peñascales, Madrid). *LimnoIberia* nº 13. Grupo de Investigación del Agua. Madrid. 124 pp. ISBN: 978-84-697-3927-3. (AEP, M, Bacillariophyceae, Chlorophyceae, Ecol).
1838. Álvarez-Gómez, F., Bouzon, Z.L., Korbée, N., Celis-Plá, P., Schmidt, E.C. & Figueroa, F.L. 2017. Combined effects of UVR and nutrients on cell ultrastructure, photosynthesis and biochemistry in *Gracilaria longissima* (Gracilariales, Rhodophyta). *Algal Research* 26: 190-202. /doi.org/10.1016/j.algal.2017.07.022. (ABM, Ca, *Gracilaria longissima*, Rhodophyceae, Quim, Ecol).
1839. Anglès, S., Reñé, A., Garcés, E., Lugliè, A., Sechi, N., Camp, J. & Satta, C.T. 2017. Morphological and molecular characterization of *Bysmatrum subsalsum* (Dinophyceae) from the western Mediterranean Sea reveals the existence of cryptic species. *J. Phycol.* 53: 833-847. DOI: 10.1111/jpy.12546. (APM, Ge, B, *Bysmatrum*, Dinophyceae, SisM).
1840. Barceló, M.C., Gómez, A. & Ribera, M.A. 2017. IN MEMORIAM: Juan Antonio Seoane Camba, (Leiro, A Coruña, 8.01.1933 - Barcelona, 21.09.2017). *Algas, Bol. Soc. Esp. Ficol.* 53: 5-14. (Biogr).
1841. Barrientos de la Llana, S. 2017. Evaluación del impacto de la extracción de la semilla de mejillón sobre la comunidad bentónica en Galicia (NO. Iberia). Tesis de Máster, Máster de Biología Marina. Universidade de A Coruña. (ABM, Po, Flora).
1842. Blanco, S. 1017. *Eunotia emmae* sp. nov. (Bacillariophyta, Eunotiaceae) en la laguna Velaza (León, España). *Bol. R. Soc. Esp. Hist. Nat., Sec. Biol.* 111: 11-17. (AEP, Le, *Eunotia*, sp.nov., Bacillariophyceae, Tax).
1843. Boedeker, C., O'Kelly, C.J., West, J.A., Hanyuda, T., Neale, A., Wakana, I., Wilcox, M. D., Karsten, U. & Zuccarello, G.C. 2017. Molecular phylogeny and taxonomic revision of the genus *Wittrockiella* (Pithophoraceae, Cladophorales), including the descriptions of *W. australis* sp. nov. and *W. zosteriae* sp. nov. *J. Phycol.* 53: 522-540. DOI: 10.1111/jpy.12530 (ABM, Es, PRT, sp.nov., *Wittrockiella*, Chorophyceae, SisM, Anat).
1844. Calero, S., Auderset Joye, D., Rey-Boissezon, A. & Rodrigo, M.A. 2017. Time and heat for sexual reproduction: comparing the phenology of *Chara hispida* of two populations at different latitudes. *Aquatic Botany* 136: 71-81. DOI: 10.1016/j.aquabot.2016.09.011 (AEP, V, Charophyceae, *Chara*, Ecol)

¹ Dpto. Biodiversidad, Ecología y Evolución, Facultad de Biología, UCM, José Antonio Novais 12, 28040 Madrid. tgallar@ucm.es
² CSIC, Museo Nacional de Ciencias Naturales, Serrano 115 dpto., 28006 Madrid. malvarez@mncn.csic.es

1845. Carballeira, R., Trobajo, R., Leira, M., Benito, X., Sato, S. & Mann, D.G. 2017. A combined morphological and molecular approach to *Nitzschia varelae* sp. nov., with discussion of symmetry in Bacillariaceae. Eur. J. Phycol. 52: 342-359. 18pp. DOI: 10.1080/09670262.2017.1309575. (APM, PRT, *Nitzschia*, sp.nov., Anat, Bacillariophyceae, SisM).
1846. Castro, L., Blázquez, M.L., González, F., Muñoz, J.A. & Ballester, A. 2017. Biosorption of Zn(II) from industrial effluents using sugar beet pulp and *F. vesiculosus*: From laboratory tests to a pilot approach. Sci. Total Environ. 598: 856-866. DOI: 10.1016/j.scitotenv.2017.04.138. (ABM, ESP, *Fucus*, Phaeophyceae, Quim).
1847. Celis-Plá, P.S.M., Bouzon, Z.L., Hall-Spencer, J.M., Schmidt, E.C., Korbee, N. & Figueroa, F.L. 2016. Seasonal changes in photoprotectors and antioxidant capacity of the fucoxid macroalga *Cystoseira tamariscifolia*. Mar. Environ. Res.: 89-97. doi.org/10.1016/j.marenvres.2015.11.014. (ABM, Ma, *Cystoseira*, Phaeophyceae, Ecol).
1848. Celis-Plá, P.S.M., Martínez, B., Korbee, N., Hall-Spencer, J.M. & Figueroa, F.L. 2017a. Photoprotective responses in a brown macroalgae *Cystoseira tamariscifolia* to increase in CO₂ and temperature. Mar. Environ. Res. 130: 157-165. doi.org/10.1016/j.marenvres.2017.07.015 (ABM, Ma, Al, *Cystoseira*, Phaeophyceae, Ecol).
1849. Celis-Plá, P.S.M., Martínez, B., Korbee, N., Hall-Spencer, J.M. & Figueroa, F.L. 2017b. Ecophysiological responses to elevated CO₂ and temperature in *Cystoseira tamariscifolia* (Phaeophyceae). Climate Change 142: 67-81. doi: 10.1007/s10584-017-1943-y. (ABM, Ma, Al, *Cystoseira*, Phaeophyceae, Ecol).
1850. Chapuis, J.S., Necchi, O., Zuccarello, G.C., Xie, Shu-L., Aboal, M., Sánchez Castillo, P.M. & Morgan, L.V. 2017. A new genus, *Volatus*, and four new species of *Batrachospermum* sensu stricto (Batrachospermales, Rhodophyta). Phycologia 56: 454-468. /doi.org/10.2216/16-73.1. (AEP, Za, ESP, *Volatus*, *Batrachospermum*, gen.nov., *Volatus carriionii*, *Batrachospermum pozoaizulense*, sp.nov., Rhodophyceae, Anat, SisM, Tax).
1851. Cirujano, S., Guerrero, N. & Álvarez Cobelas, M. 2017. Dinámica a largo plazo de las praderas de carófitos y los masegares en el humedal de Las Tablas de Daimiel (Ciudad Real, España): relación con las perturbaciones ambientales. Collect. Bot. 36: e005. 7 pp. DOI: 10.3989/collectbot.2017.v36.005. (AEP, CR, Charophyceae, Veget, Ecol).
1852. Díaz-Tapia, P., Bárbara, I., Cremades, J., Verbruggen, H. & Maggs, C.A. 2017. Three new cryptogenic species in the tribes Polysiphonieae and Streblolandiae (Rhodomelaceae, Rhodophyta). Phycologia 56: 605-623. DOI: 10.2216/17-17.1 (ABM, ESP, *Polysiphonia*, *P. delicate*, *P. radiate*, *Melanothamnus*, *M. pseudoforcipatus*, sp.nov., Rhodophyceae, Tax, Anat, SisM).
1853. Díaz-Tapia, P., Maggs, C., West, J.A. & Verbruggen, H. 2017. Analysis of chloroplast genomes and a supermatrix inform reclassification of the Rhodomelaceae (Rhodophyta). J. Phycol. 53: 920-937. DOI: 10.1111/jpy.12553. (ABM, ESP, Rhodophyceae, SisM).
1854. Díaz-Tapia, P., McIvor, L., Freshwater, W., Verbruggen, H., Wynne, M. & Maggs, C.A. 2017. The genera *Melanothamnus* Bornet & Falkenberg and *Vertebrata* S.F. Gray constitute well-defined clades of the red algal tribe Polysiphonieae (Rhodomelaceae, Ceramiales). Eur. J. Phycol. 52: 1-30. DOI: 10.1080/09670262.2016.1256436. (ABM, ESP, Rhodophyceae, *Melanothamnus*, *Vertebrata*, SisM, Tax).
1855. Engelen, A.H., Costa, J., Bermejo, R., Marbá, N., Duarte, C.M. & Serrão, E.A. 2017. A population genetics toolbox for the threatened canopy-forming brown seaweeds *Cystoseira tamariscifolia* and *C. amentacea* (Fucales, Sargassaceae). J. Appl. Phycol. 29: 627-629. (ABM, Ag, *Cystoseira*, Phaeophyceae, SisM).
1856. Flórez-Fernández, N., López-García, M., González-Muñoz, M.J., López Vilariño, J.M. & Domínguez, H. 2017.

1857. Ultrasound-assisted extraction of fucoïdan from *Sargassum muticum*. J. Appl. Phycol. 29: 1553–1561. (ABM, Po, *Sargassum*, Phaeophyceae, Quim).
1857. Franco, J.N. 2017. From patterns of abundance and distribution to top-down and bottom-up regulatory processes. Tesis doctoral, Universidad de Porto. (ABM, PRT, *Laminaria*, *Phyllospadix*, *Saccorhiza*, Ecol, Corol).
1858. Franco, J.N., Tuya, F., Bertocci, I., Rodríguez, L., Martínez, B., Sousa-Pinto, I. & Arenas, F. 2017. The ‘golden kelp’ *Laminaria ochroleuca* under global change: integrating multiple ecophysiological responses with species distribution models. J. Ecol. 2018, 106: 47-58. DOI: 10.1111/1365-2745.12810. (ABM, Mi, PRT, *Laminaria*, Phaeophyceae, Ecol).
1859. Franco, J.N., T. Wernberg, I. Bertocci, D. Jacinto, P. Maranhão, T. Pereira, B. Martínez, F. Arenas, I. Sousa-Pinto & Tuya, F. 2017. Modulation of different kelp life stages by herbivory: compensatory growth versus population decimation. Marine Biology 164: 164. DOI 10.1007/s00227-017-3196-8. (ABM, Es, PRT, Phaeophyceae, *Laminaria*, Ecol).
1860. Gallardo, T. & Álvarez Cobelas, M. 2017. Bibliografía Botánica Ibérica, 2016. Phycophyta. Bot. Complut. 41: 113-117. (ABM, APM, AEP, ESP, PRT, Bibl).
1861. García-Girón, J., Fernández-Aláez, C., Fernández-Aláez, M. & Nistal-García, A. 2017. Changes in climate, land use and local conditions drive macrophyte assemblages in a Mediterranean shallow lake. Limnetica 37: 159-172. DOI: 10.23818/limn.37.13. (AEP, Le, Charophyceae, Ecol).
1862. García-Redondo, V., Bárbara, I.M. & Díaz-Tapia, P. 2917. Las praderas de *Zostera marina* del Parque Nacional Marítimo-Terrestre de las Islas Atlánticas de Galicia y territorios adyacentes: distribución, abundancia y flora asociada. Nova Acta Cient. Compost. 24: 1-12. (ABM, Flora, Po, C, Ecol, Veget).
1863. Gómez, F. 2017. The function of the ocelloid and piston in the dinoflagellate *Erythropsidinium* (Gymnodiniales, Dinophyceae). J. Phycol. 53: 629–641. DOI: 10.1111/jpy.12525. (APM, V, *Erythropsidinium*, Dinophyceae, Anat).
1864. González García, J.M., Paredes Ruiz, P. & Enrique Mirón, C. 2017. Catálogo de macroalgas de los peñones de Alhucemas y Vélez de la Gomera (Mediterráneo Occidental, mar de Alborán). Algas, Bol. Soc. Esp. Ficol. 53: 33-38. (ABM, Flora, Corol, ESP).
1865. Izquierdo, J.L. & Pando, F. 2017. The algae names and collection of the Spanish phycologist Pedro González Guerrero. Anales Jard. Bot. Madrid 74(1): e047, 10 pp. (AEP, ESP, Cyanophyceae, Tax, Biogr).
1866. Illera-Vives, M., Labandeira, S., Iglesias Loureiro, I. & López-Mosquera, M.A. 2017. Agronomic assessment of a compost consisting of seaweed and fish waste as an organic fertilizer for organic potato crops. J. Appl. Phycol. 29: 1663–1671. (ABM, Lu, *Laminaria*, *Cystoseira*, Phaeophyceae, Aplic).
1867. Leira, M., López-Rodríguez, M.C. & Carballera, R. 2017. Epilithic diatoms (Bacillariophyceae) from running waters in NW Iberian Peninsula (Galicia, Spain). Anales Jard. Bot. Madrid 74(2): e062, 24 pp. (AEP, Galicia, Bacillariophyceae, Flora, Anat, Aplic).
1868. López Figueroa, F. 2017. Bibliografía Fitológica Española (2016-2017): Ecología, Biotecnología y Acuicultura. 67-73. Algas, Bol. Soc. Esp. Ficol. 53: 67-73. (Bibl, ABM, AEP, ESP).
1869. Lorenzo, J.M., Agregán, R., Munekata, P.E.S., Franco, D., Carballo, J., Sahin, S., Lacomba, R. & Barba, F.J. 2017. Proximate composition and nutritional value of three macroalgae: *Ascophyllum nodosum*, *Fucus vesiculosus* and *Bifurcaria bifurcata*. Marine Drugs 15, 360; 11pp. DOI:10.3390/md15110360. (ABM, Galicia, *Ascophyllum*, *Fucus*, *Bifurcaria*, Phaeophyceae, Aplic).
1870. Lugilde Yáñez, J., Peña Freire, V. & Bárbara Criado, I.M. 2017. Morfología y distribución de *Jania virgata* (Corallinales, Rhodophyta) y revisión del género *Jania* s.l. en Galicia. Nova Acta Cient. Compost. 24: 105-116. (ABM, ESP, *Jania*, Rhodophyceae, Anat, Corol).

1871. Montecinos, A.E., Couceiro, L., Peters, A.F., Desrut, A., Valero, M. & Guillem, M.L. 2017. Species delimitation and phylogeographic analyses in the *Ectocarpus* subgroup *siliculosi* (Ectocarpales, Phaeophyceae). *J. Phycol.* 53: 17-3. DOI: 10.1111/jpy.12452 (ABM, Lu, C, Po, *Ectocarpus*, Phaeophyceae, SisM).
1872. Moreira, R., Sineiro, J., Chenlo, F., Arufe, S. & Díaz-Varela, D. 2017. Aqueous extracts of *Ascophyllum nodosum* obtained by ultrasound-assisted extraction: effects of drying temperature of seaweed on the properties of extracts. *J. Appl. Phycol.* 29: 3191–3200. (ABM, Lu, *Ascophyllum*, Phaeophyceae, Aplic).
1873. Muguerza, N., Diez, I., Quintano, E., Bustamante, M. & Gorostiaga, J.M. 2017. Structural impoverishment of the subtidal vegetation of southeastern Bay of Biscay from 1991 to 2013 in the context of climate change. *J. Sea Res.* 130: 166-179. (ABM, Bi, SS, Veget, Ecol).
1874. Pandeirada, M.S., Craveiro, S.C., Daugbjerg, N., Moestrup, Ø. & Calado, A.J. 2017. Studies on woloszynskiod dinoflagellates VIII: life cycle, resting cyst morphology and phylogeny of *Tovellia rinoi* sp. nov. (Dinophyceae). *Phycologia* 56: 533–548. DOI: 10.2216/17-5.1 (APM, BL, PRT, *Tovellia*, Dinophyceae, sp.nov., SisM, Anat, Tax).
1875. Pardo, C., Bárbara, I., Barreiro, R. & Peña, V. 2017. Insights into species diversity of associated crustose coralline algae (Corallinophycidae, Rhodophyta) with Atlantic European maerl beds using DNA barcoding. *Anales Jard. Bot. Madrid* 74(2): e059., 12 pp. (ABM, C, Rhodophyceae, Anat, SisM).
1876. Pereda-Briones, L., Tomas, F. & Terrados, J. 2017. Field transplantation of seagrass (*Posidonia oceanica*) seedlings: Effects of invasive algae and nutrients. *Mar. Pollut. Bull.* [Epub ahead of print] DOI: 10.1016/j.marpolbul.2017.09.034. (ABM, *Caulerpa*, Chorophyceae, PM, Ecol).
1877. Puche, E., Sánchez-Carrillo, S., Álvarez-Cobelas, M., Pukacz, A., Rodríguez, M.A. & Rojo, C. 2017. Effects of overabundant nitrate and warmer temperatures on charophytes: the roles of plasticity and local adaptation. *Aquatic Botany* 146: 15-22. DOI: 10.1016/j.aquabot.2018.01.003 (AEP, V, Charophyceae, *Chara*, Ecol).
1878. Ramos, E., Puente, A., Guinda, X. & Juanes, J.A. 2017. A hierarchical ecological classification system along the NE Atlantic coast: focusing on the local scale (Cantabria, N Spain). *Eur. J. Phycol.* 52: 75-89. DOI: 10.1080/09670262.2016.1221469. (ABM, S, Ecol).
1879. Rivera-Rondón, C.A. & Catalán, J. 2017. Diatom diversity in the lakes of the Pyrenees: an iconographic reference. *Limnetica* 36: 127-395. DOI: 10.23818/limn.36.10. (AEP, Hu, L, Bacillariophyceae, Flora, Anat).
1880. Rojo, C., Mosquera, Z., Alvarez-Cobelas, M. & Segura, M. 2017. Microalgal and cyanobacterial assemblages on Charophytes: a metacommunity perspective. *Fund. Appl. Limno.* 190/2: 97-115. DOI: 10.1127/fal/2017/1032. (AEP, Gu, V, Ecol, Charophyceae, Bacillariophyceae, Chlorophyceae, Cyanophyceae)
1881. Rojo, C., Herrera, G., Medina-Sánchez, J.M., Villar-Argaiz, M., Durán, C. & Carrillo, P. 2017. Are the small-sized plankton communities of oligotrophic ecosystems resilient to UVR and P pulses? *Freshwater Science* 36: 760-773. DOI: 10.1086/694737. (AEP, CR, Fitoplancton, Ecol).
1882. Rojo, C., Carramiñana, M., Cáceres, D., Roberts, G.P., Puche, E., Calero, S. & Rodrigo, M.A. 2017. Different responses of coexisting *Chara* species to foreseeable Mediterranean temperature and salinity increases. *Aquatic Botany* 138: 53-63. DOI: 10.1016/j.aquabot.2017.01.003 (AEP, A, V, Charophyceae, *Chara*, Ecol).
1883. Rodrigo, M.A., Puche, E. & Rojo, C. 2017. On the tolerance of charophytes to high-nitrate concentrations. *Chem. Ecol.* 34: 22-42. DOI: 10.1080/02757540.2017.1398237 (AEP, V, Charophyceae, *Chara*, Ecol).
1884. Rösler, A., Perfectti, F., Peña, V., Aguirre, J. & Braga, J.C. 2017. Timing of the

- evolutionary history of Corallinaceae (Corallinales, Rhodophyta). *J. Phycol.* 53: 567-576. DOI:10.1111/jpy.12520. (ABM, ESP, Rhodophyceae, Tax).
1885. Rothman, M.D., Mattio, L., Anderson, R.J. & Bolton, J.J. 2017. A phylogeographic investigation of the kelp genus *Laminaria* (Laminariales, Phaeophyceae), with emphasis on the South Atlantic Ocean. *J. Phycol.* 53: 778-789. DOI:10.1111/jpy.12544. (ABM, BL, PRT, *Laminaria*, Phaeophyceae, SisM, Corol).
1886. Sanjuan, J., Vicente, A., Flor-Arnau, N., Monleón, T., Cambra, J. & Martín-Closas, J. 2017. Effects of light and temperature on *Chara vulgaris* (Charophyceae) gyrogonite productivity and polymorphism-palaeoenvironmental implications. *Phycologia* 58: 204-212. (AEP, B, *Chara*, Charophyceae, Ecol, Quim).
1887. Sjøtun, K., Heesch, S., Rull Lluch, J., Martín Martín, R., Gómez Garreta, A., Brysting, A.K. & Coyer, J.A. 2017. Unravelling the complexity of salt marsh *Fucus cottonii* forms (Phaeophyceae, Fucales). *Eur. J. Phycol.* 52: 360-370. DOI: 10.1080/09670262.2017.1309688. (ABM, SS, Phaeophyceae, *Fucus*, Anat, SisM).
1888. Steen, F., Aragay, J., Zuljevic, A., Verbruggen, H., Mancuso, F.P., Bunker, F., Vitales, D., Gómez Garreta, A. & De Clerck, O. 2017. Tracing the introduction history of the brown seaweed *Dictyota cyanoloma* (Phaeophyceae, Dictyotales) in Europe. *Eur. J. Phycol.* 52: 31-42. DOI: 10.1080/09670262.2016.1212998. (ABM, *Dictyota*, Phaeophyceae, SisM, Corol).
1889. Teagle, H., Hawkins, S.J., Moore, P.J. & Smale, D.A. 2017. The role of kelp species as biogenic habitat formers in coastal marine ecosystems. *J. Exp. Mar. Bio. Ecol.* 492: 81-98. DOI: 10.1016/j.jembe.2017.01.017. (ABM, ESP, PRT, *Laminaria*, Phaeophyceae, Corol, Ecol).
1890. Tillmann, U., Jaén, D., Fernández, L., Gottschling, M., Witt, M., Blanco, J. & Krocka, B. 2017. *Amphidoma languida* (Amphidomataceae, Dinophyceae) with a novel azaspiracid toxin profile identified as the cause of molluscan contamination at the Atlantic coast of southern Spain. *Harmful Algae* 62(2): 113-126. DOI: 10.1016/j.hal.2016.12.001. (APM, Dinophyceae, *Amphidoma*, H, Tox).
1891. Thibaut, T., Blanfuné, A., Boudouresque, C.F., Personnic, S., Ruitton, S., Balsteros, E., Bellan-Santini, D., Bianchi, C.N., Bussotti, S., Cebrian, E., Cheminée, A., Culoli, J.M., Derrien-Courtel, S., Guidetti, P., Harmelin-Vivien, M., Hereu, B., Morri, C., Poggiale, J.C. & Verlaque, M. 2017. An ecosystem-based approach to assess the status of Mediterranean algae-dominated shallow rocky reefs. *Mar. Pollut. Bull.* 117: 311-329. DOI: 10.1016/j.marpolbul.2017.01.029. (ABM, PM, Ge, Ecol).
1892. Vieira, R.P. 2017. Variability of harmful seaweeds and invasive species across seashores of north Portugal: from patterns to mechanisms. Tesis doctoral, Universidad de Porto. (ABM, PRT, *Sargassum*, *Grateloupia*, Phaeophyceae, Rhodophyceae, Ecol, Corol).
1893. Vieira, R., Sousa Pinto, I. & Arenas, F. 2017. The role of nutrient enrichment in the invasion process in intertidal rock pools. *Hydrobiologia* 797: 183-198. DOI: 10.1007/s10750-017-3171-x. (ABM, PRT, Phaeophyceae, Rhodophyceae, *Grateloupia*, *Sargassum*, Ecol).
1894. Villamaña, M., Mouríño-Carballido, B., Marañón, E., Cermeño, P., Choucino, P., da Silva, J.C.B., Díaz, P.A., Fernández-Castro, B., Gilcoto, M., Grana, R., Latasa, M., Magalhaes, J.M., Otero-Ferrer, J.L., Reguera, B. & Scharek, R. 2017. Role of internal waves on mixing, nutrient supply and phytoplankton community structure during spring and neap tides in the upwelling ecosystem of Ría de Vigo (NW Iberian Peninsula). *Limnol. Oceanogr.* 62: 1014-1030. DOI: 10.1002/lno.10482. (APM, Po, *Chaetoceros*, Bacillariophyceae, Ecol).

Índices de las Referencias Bibliográficas de 2013 (1724) a 2017 (1894)

Índice temático

Anatomía (Anat): 1729, 1730, 1733, 1734, 1736, 1738, 1739, 1740, 1750, 1751, 1752, 1754, 1755, 1762, 1763, 1766, 1769, 1770, 1644 (2014), 1666 (2014), 1667 (2014), 1676 (2014), 1681 (2014), 1683 (2014), 1686 (2014), 1698 (2014), 1705 (2014), 1715 (2014), 1716 (2014), 1746 (2015), 1751 (2015), 1762 (2015), 1763 (2015), 1782, 1796, 1806, 1816, 1817, 1824, 1832, 1833, 1843, 1845, 1850, 1852, 1854, 1863, 1867, 1870, 1874, 1875, 1879, 1887.

Aplicada (Aplic): 1757, 1759, 1767, 1647 (2014), 1689 (2014), 1740 (2015), 1744 (2015), 1745 (2015), 1753 (2015), 1765 (2015), 1766 (2015), 1770 (2015), 1772, 1818, 1866, 1867, 1869, 1872.

Bibliografía (Bibl): 1744, 1672 (2014), 1675 (2014), 1694 (2014), 1797, 1808, 1860, 1868.

Biografía (Biogr): 1745, 1643 (2014), 1653 (2014), 1658 (2014), 1704 (2014), 1710 (2014), 1773, 1783, 1836, 1840, 1865.

Bioindicador (Bioin): 1651 (2014), 1657 (2014), 1660 (2014), 1670 (2014), 1712 (2014), 1724 (2015), 1728 (2015), 1730 (2015), 1733 (2015), 1734 (2015), 1736 (2015), 1739 (2015), 1743 (2015), 1750 (2015), 1754 (2015), 1755 (2015), 1756 (2015), 1758 (2015), 1778, 1784, 1780, 1810, 1821.

Corología (Corol): 1724, 1734, 1736, 1760, 1761, 1657 (2014), 1659 (2014), 1667 (2014), 1669 (2014), 1671 (2014), 1682 (2014), 1683 (2014), 1692 (2014), 1700 (2014), 1711 (2014), 1716 (2014), 1724 (2015), 1725 (2015), 1742 (2015), 1774, 1775, 1785, 1798, 1814, 1820, 1828, 1829, 1857, 1864, 1870, 1885, 1888.

Conservación (Conser): 1647 (2014), 1671 (2014), 1735 (2015), 1769 (2015), 1789, 1791, 1817.

Cultivos (Cult): 1756, 1644 (2014), 1695 (2014), 1696 (2014), 1697 (2014), 1707 (2014), 1770 (2015), 1775, 1790, 1795, 1783, 1785, 1812, 1819.

Ecología (Ecol): 1725, 1726, 1728, 1732, 1736, 1741, 1742, 1743, 1765, 1768, 1769, 1644 (2014), 1645 (2014), 1646 (2014), 1647 (2014), 1648 (2014), 1649 (2014), 1654 (2014), 1660 (2014), 1661 (2014), 1663 (2014), 1664 (2014), 1668 (2014), 1673 (2014), 1682 (2014), 1685 (2014), 1699 (2014), 1701 (2014), 1702 (2014), 1703 (2014), 1706 (2014), 1708 (2014), 1709 (2014), 1711 (2014), 1713 (2014), 1714 (2014), 1719 (2015), 1720 (2015), 1722 (2015), 1726 (2015), 1727 (2015), 1729 (2015), 1730 (2015), 1730 (2015), 1738 (2015), 1739 (2015), 1743 (2015), 1747 (2015), 1749 (2015), 1753 (2015), 1754 (2015), 1756 (2015), 1757 (2015), 1766 (2015), 1767 (2015), 1768 (2015), 1769 (2015), 1779, 1780, 1783, 1784, 1789, 1793, 1799, 1807, 1813, 1823, 1824, 1831, 1837, 1838, 1844, 1847, 1848, 1849, 1851, 1857, 1858, 1859, 1861, 1862, 1873, 1876, 1877, 1878, 1881, 1886, 1887, 1888, 1891, 1893, 1894.

Fitoquímica (Quim): 1725, 1727, 1732, 1746, 1761, 1765, 1767, 1645 (2014), 1646 (2014), 1648 (2014), 1663 (2014), 1674 (2014), 1696 (2014), 1697 (2014), 1703 (2014), 1707 (2014), 1709 (2014), 1711 (2014), 1714 (2014), 1714 (2014), 1777, 1788, 1793, 1794, 1796, 1781, 1815, 1827, 1835, 1838, 1846, 1856, 1886.

Flora (Flora): 1724, 1726, 1735, 1736, 1737, 1743, 1748, 1768, 1769, 1652 (2014), 1654 (2014), 1657 (2014), 1659 (2014), 1665 (2014), 1669 (2014), 1676 (2014), 1677 (2014), 1678 (2014), 1679 (2014), 1680 (2014), 1689 (2014), 1691 (2014), 1698 (2014), 1700 (2014), 1717 (2015), 1718 (2015), 1723 (2015), 1733 (2015), 1735 (2015), 1737 (2015), 1742 (2015), 1746 (2015), 1748 (2015), 1750 (2015), 1756 (2015), 1757 (2015), 1781, 1785, 1789, 1791, 1792, 1798, 1809, 1810, 1813, 1821, 1828, 1829, 1830, 1834, 1841, 1843, 1845, 1850, 1862, 1864, 1867, 1879.

Sistemática (Tax): 1752, 1754, 1770, 1650 (2014), 1662 (2014), 1666 (2014),

1686 (2014), 1689 (2014), 1690 (2014), 1692 (2014), 1693 (2014), 1698 (2014), 1700 (2014), 1701 (2014), 1702 (2014), 1705 (2014), 1715 (2014), 1721 (2015), 1742 (2015), 1746 (2015), 1752 (2015), 1760 (2015), 1764 (2015), 1765 (2015), 1766 (2015), 1771, 1776, 1782, 1786, 1787, 1811, 1825, 1828, 1829, 1842, 1850, 1852, 1854, 1865, 1874, 1884.

Sistemática Molecular (SisM): 1729, 1730, 1733, 1734, 1737, 1739, 1740, 1747, 1751, 1752, 1753, 1755, 1760, 1762, 1763, 1769, 1662 (2014), 1667 (2014), 1669 (2014), 1676 (2014), 1681 (2014), 1686 (2014), 1688 (2014), 1698 (2014), 1670 (2014), 1705 (2014), 1715 (2014), 1721 (2015), 1732 (2015), 1751 (2015), 1759 (2015), 1761 (2015), 1762 (2015), 1763 (2015), 1776, 1782, 1796, 1816, 1817, 1826, 1839, 1843, 1845, 1850, 1852, 1853, 1854, 1855, 1871, 1874, 1875, 1885, 1887, 1888.

Vegetación (Veget): 1728, 1741, 1758, 1768, 1666 (2014), 1687 (2014), 1724 (2015), 1725 (2015), 1851, 1862, 1873.

Toxicología (Tox): 1726, 1731, 1748, 1749, 1756, 1764, 1766, 1656 (2014), 1664 (2014), 1670 (2014), 1676 (2014), 1707 (2014), 1722 (2015), 1745 (2015), 1890.

Algas Bentónicas Marinas (ABM): 1724, 1728, 1729, 1730, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1744, 1746, 1747, 1757, 1758, 1759, 1763, 1765, 1767, 1768, 1769, 1770, 1650 (2014), 1657 (2014), 1659 (2014), 1662 (2014), 1663 (2014), 1668 (2014), 1669 (2014), 1671 (2014), 1677 (2014), 1678 (2014), 1682 (2014), 1685 (2014), 1687 (2014), 1688 (2014), 1689 (2014), 1690 (2014), 1691 (2014), 1692 (2014), 1693 (2014), 1695 (2014), 1698 (2014), 1700 (2014), 1701 (2014), 1705 (2014), 1706 (2014), 1711 (2014), 1715 (2014), 1716 (2014), 1717 (2015), 1718 (2015), 1721 (2015), 1723 (2015), 1724 (2015), 1725 (2015), 1726 (2015), 1730 (2015), 1733 (2015), 1734 (2015), 1735 (2015), 1738 (2015), 1740 (2015), 1741 (2015),

1742 (2015), 1743 (2015), 1744 (2015), 1748 (2015), 1750 (2015), 1751 (2015), 1752 (2015), 1753 (2015), 1754 (2015), 1759 (2015), 1760 (2015), 1761 (2015), 1762 (2015), 1763 (2015), 1764 (2015), 1765 (2015), 1766 (2015), 1768 (2015), 1769 (2015), 1770 (2015), 1772, 1774, 1775, 1776, 1777, 1779, 1781, 1784, 1785, 1786, 1787, 1788, 1789, 1792, 1794, 1795, 1797, 1798, 1799, 1780, 1781, 1782, 1783, 1807, 1808, 1809, 1811, 1812, 1814, 1815, 1816, 1817, 1818, 1822, 1823, 1824, 1825, 1826, 1827, 1832, 1833, 1834, 1835, 1838, 1841, 1843, 1846, 1847, 1848, 1849, 1850, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1862, 1864, 1866, 1868, 1869, 1870, 1871, 1872, 1873, 1875, 1876, 1884, 1885, 1889, 1891, 1892, 1893.

Algas Epicontinentales (AEP): 1726, 1727, 1732, 1733, 1742, 1743, 1744, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1644 (2014), 1647 (2014), 1648 (2014), 1649 (2014), 1651 (2014), 1654 (2014), 1660 (2014), 1661 (2014), 1665 (2014), 1673 (2014), 1676 (2014), 1679 (2014), 1680 (2014), 1681 (201), 1683 (2014), 1684 (2014), 1696 (2014), 1698 (2014), 1702 (2014), 1708 (2014), 1714 (2014), 1719 (2015), 1720 (2015), 1728 (2015), 1729 (2015), 1730 (2015), 1731 (2015), 1732 (2015), 1736 (2015), 1739 (2015), 1740 (2015), 1745 (2015), 1746 (2015), 1756 (2015), 1757 (2015), 1758 (2015), 1767 (2015), 1771, 1778, 1782, 1783, 1791, 1797, 1808, 1810, 1821, 1828, 1829, 1830, 1837, 1842, 1844, 1860, 1861, 1865, 1867, 1868, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1886.

Algas Planctónicas Marinas (APM): 1725, 1731, 1734, 1744, 1748, 1755, 1760, 1761, 1764, 1645 (2014), 1646 (2014), 1666 (2014), 1667 (2014), 1670 (2014), 1686 (2014), 1697 (2014), 1707 (2014), 1709 (2014), 1722 (2015), 1727 (2015), 1740 (2015), 1747 (2015), 1749 (2015), 1796, 1797, 1785, 1806, 1813, 1839, 1845, 1860, 1863, 1874, 1890, 1894.

Índice taxonómico

- Alexandrium*: 1764, 1656 (2014).
Amphidoma: 1890.
Anabaena: 1664 (2014).
Aphanizomenon: 1664 (2014).
Ascophyllum: 1781, 1869, 1872.
Asparagopsis: 1716 (2014), 1788.
Bacillariophyceae: 1754, 1755, 1651 (2014), 1652 (2014), 1683 (2014), 1697 (2014), 1707 (2014), 1709 (2014), 1712 (2014), 1728 (2015), 1736 (2015), 1782, 1783, 1784, 1806, 1837, 1842, 1845, 1867, 1879, 1880, 1894.
Batrachospermum: 1683 (2014), 1850.
Bifurcaria: 1814, 1869.
Borghiella: 1666 (2014).
Bostrychia: 1706 (2014).
Bysmatrum: 1839.
Calliblepharis: 1739.
Catenella: 1706 (2014).
Caulerpa: 1671 (2014), 1717 (2015), 1876.
Chaetoceros: 1894.
Chara: 1742, 1729 (2015), 1739 (2015), 1844, 1877, 1882, 1883, 1886.
Charophyceae: 1742, 1665 (2014), 1699 (2014), 1719 (2015), 1720 (2015), 1729 (2015), 1730 (2015), 1739 (2015), 1767 (2015), 1844, 1851, 1861, 1877, 1880, 1882, 1883, 1886.
Chlorophyceae: 1650 (2014), 1668 (2014), 1671 (2014), 1673 (2014), 1676 (2014), 1679 (2014), 1683 (2014), 1701 (2014), 1702 (2014), 1717 (2015), 1737 (2015), 1738 (2015), 1790, 1815, 1837, 1843, 1876, 1880.
Chondracanthus: 1776, 1831.
Chondrymenia: 1763.
Chrysophyceae: 1683 (2014), 1785.
Chroothece: 1644 (2014), 1683 (2014).
Cochlodinium: 1760.
Cocomyxida: 1796.
Codium: 1701 (2014), 1815.
Compsopogon: 1753.
Coolia: 1667 (2014).
Corallina: 1762 (2015), 1811, 1817, 1826.
Cyanidium: 1732 (2015).
Cystoseira: 1663 (2014), 1674 (2014), 1685 (2014), 1738 (2015), 1787, 1799, 1814, 1827, 1835, 1847, 1848, 1849, 1855, 1866.
Cyanophyceae: 1725, 1727, 1735, 1750, 1751, 1752, 1761, 1645 (2014), 1646 (2014), 1647 (2014), 1648 (2014), 1649 (2014), 1664 (2014), 1673 (2014), 1683 (2014), 1684 (2014), 1702 (2014), 1703 (2014), 1708 (2014), 1714 (2014), 1722 (2015), 1745 (2015), 1756 (2015), 1758 (2015), 1792, 1865, 1880.
Dasya: 1689 (2014), 1690 (2014).
Desmarestia: 1715 (2014), 1718 (2015).
Dictyota: 1668 (2014), 1721 (2015), 1888.
Dinophyceae: 1731, 1733, 1734, 1748, 1749, 1756, 1760, 1764, 1766, 1656 (2014), 1660 (2014), 1666 (2014), 1667 (2014), 1686 (2014), 1696 (2014), 1709 (2014), 1722 (2015), 1757 (2015), 1839, 1863, 1874, 1890.
Dinophysis: 1696 (2014).
Ectocarpus: 1871.
Ellisolandia: 1738 (2015).
Erythropsidinium: 1863.
Eunotia: 1842.
Felicia: 1681 (2014).
Fortiea: 1676 (2014).
Fucus: 1775, 1846, 1869, 1887.
Geissleria: 1754.
Gelidium: 1746, 1726 (2015), 1768 (2015).
Gracillaria: 1772, 1807, 1825.
Gracillariopsis: 1838.
Gratelouphia: 1816, 1892, 1893.
Gulsonia: 1762.
Gymnodinium: 1749.
Haematococcus: 1737 (2015).
Halopteris: 1668 (2014).
Halymeda: 1668 (2014).
Himanthalia: 1753 (2015).
Hydrurus: 1683 (2014).
Isochrysis: 1707 (2014).
Jania: 1870.
Kallymenia: 1698 (2014).
Kumanoa: 1746 (2015).
Laminaria: 1780, 1786, 1793, 1857, 1858, 1859, 1866, 1885, 1889.
Lampisiphonia: 1730.
Lemanea: 1771.
Lithophyllum: 1716, 1751 (2015), 1782, 1824, 1832, 1833.
Lithothamnion: 1662 (2014).
Melanothamnus: 1852, 1854.
Mesodinium: 1696 (2014).
Mesophyllum: 1692 (2014), 1693 (2014), 1764 (2015).
Microcystis: 1750, 1648 (2014), 1649 (2014), 1664 (2014).
Minidiscus: 1806.
Neogoniolithon: 1794.

- Nitella*: 1729 (2015).
Nitzschia: 1845.
Nostochopsis: 1683 (2014).
Oocardium: 1683 (2014).
Ostreopsis: 1731, 1734.
Padina: 1674 (2014), 1748 (2015).
Palisada: 1674 (2014).
Paralemanea: 1771.
Peridinium: 1757 (2015).
Phaeodactylum: 1697 (2014).
Phaeophyceae: 1695 (2014), 1759, 1767, 1663 (2014), 1668 (2014), 1674 (2014), 1677 (2014), 1685 (2014), 1711 (2014), 1713 (2014), 1715 (2014), 1718 (2015), 1721 (2015), 1738 (2015), 1748 (2015), 1753 (2015), 1770 (2015), 1775, 1780, 1786, 1787, 1788, 1793, 1795, 1799, 1814, 1815, 1819, 1827, 1835, 1846, 1847, 1848, 1849, 1855, 1856, 1857, 1858, 1859, 1866, 1869, 1869, 1871, 1872, 1885, 1887, 1888, 1889, 1892, 1893.
Phormidium: 1752.
Phyllariopsis: 1857.
Phymatolithon: 1662 (2014), 1688 (2014), 1693 (2014), 1759 (2015), 1761 (2015), 1763 (2015).
Polysiphonia: 1740, 1852.
Porphyra: 1767, 1705 (2014), 1772, 1815.
Prochlorococcus: 1761, 1703 (2014).
Protoceratium: 1756.
Prymnesium: 1656 (2014).
Prymnesiophyceae: 1656 (2014), 1707 (2014).
Pseudopolyides: 1729.
Pseudo-nitzschia: 1755.
Pterosiphonia: 1738, 1747, 1780.
Pyropia: 1769, 1770.
Rhodophyceae: 1729, 1730, 1737, 1738, 1739, 1740, 1747, 1753, 1758, 1762, 1763, 1765, 1767, 1769, 1770, 1644 (2014), 1662 (2014), 1669 (2014), 1673 (2014), 1674 (2014), 1678 (2014), 1681 (2014), 1683 (2014), 1687 (2014), 1688 (2014), 1689 (2014), 1690 (2014), 1692 (2014), 1693 (2014), 1698 (2014), 1700 (2014), 1705 (2014), 1706 (2014), 1716 (2014), 1726 (2015), 1732 (2015), 1738 (2015), 1740 (2015), 1746 (2015), 1751 (2015), 1752 (2015), 1759 (2015), 1760 (2015), 1761 (2015), 1762 (2015), 1763 (2015), 1764 (2015), 1768 (2015), 1771, 1772, 1788, 1794, 1780, 1782, 1807, 1811, 1815, 1816, 1817, 1822, 1824, 1825, 1826, 1828, 1829, 1831, 1832, 1833, 1838, 1850, 1852, 1853, 1854, 1870, 1875, 1892, 1893.
Saccharina: 1759, 1695 (2014), 1770 (2015), 1788, 1793, 1795, 1819, 1857.
Sargassum: 1711 (2014), 1713 (2014), 1827, 1856, 1892, 1893.
Scytonema: 1727.
Synechococcus: 1725, 1761, 1703 (2014).
Teleaulax: 1696 (2014).
Tetrasporidium: 1683 (2014).
Thalassiosira: 1707 (2014).
Thelodinium: 1733.
Tisochrysis: 1805.
Tovellia: 1686 (2014), 1874.
Trebouxiophyceae: 1796.
Trichodesmium: 1645 (2014), 1646 (2014).
Ulva: 1650 (2014), 1738 (2015), 1790.
Undaria: 1767, 1792, 1827.
Vertebrata: 1854.
Wittrockiella: 1843.

Fam. nov.: 1763.
Gen. nov.: 1729, 1730, 1850.
Sp. nov.: 1729, 1730, 1733, 1739, 1740, 1754, 1755, 1666 (2014), 1676 (2014), 1686 (2014), 1698 (2014), 1705 (2014), 1782, 1796, 1842, 1843, 1845, 1850, 1852, 1874.

Índice geográfico

- España (ESP)**: 1724, 1725, 1726, 1727, 1728, 1730, 1732, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1746, 1747, 1750, 1751, 1752, 1753, 1755, 1756, 1757, 1759, 1760, 1761, 1762, 1764, 1765, 1766, 1767, 1769, 1770, 1644 (2014), 1645 (2014), 1646 (2014), 1647 (2014), 1648 (2014), 1649 (2014), 11657 (2014), 650 (2014), 1651 (2014), 1652 (2014), 1654 (2014), 1656 (2014), 1658 (2014), 1660 (2014), 1661 (2014), 1662 (2014), 1664 (2014), 1665 (2014), 1667 (2014), 1669 (2014), 1670 (2014), 1673 (2014), 1674 (2014), 1677 (2014), 1678 (2014), 1681 (2014), 1682 (2014), 1683 (2014), 1684 (2014), 1685 (2014), 1688 (2014), 1689 (2014), 1691 (2014), 1692 (2014), 1693 (2014), 1695

- (2014), 1698 (2014), 1699 (2014), 1700 (2014), 1701 (2014), 1702 (2014), 1703 (2014), 1705 (2014), 1706 (2014), 1707 (2014), 1708 (2014), 1709 (2014), 1711 (2015), 1712 (2015), 1714 (2015), 1715 (2015), 1716 (2015), 1717 (2015), 1718 (2015), 1719 (2015), 1720 (2015), 1721 (2015), 1722 (2015), 1723 (2015), 1723 (2015), 1724 (2015), 1725 (2015), 1726 (2015), 1727 (2015), 1728 (2015), 1729 (2015), 1730 (2015), 1731 (2015), 1732 (2015), 1733 (2015), 1734 (2015), 1735 (2015), 1736 (2015), 1737 (2015), 1739 (2015), 1740 (2015), 1741 (2015), 1742 (2015), 1743 (2015), 1744 (2015), 1745 (2015), 1746 (2015), 1748 (2015), 1749 (2015), 1750 (2015), 1751 (2015), 1753 (2015), 1754 (2015), 1756 (2015), 1757 (2015), 1758 (2015), 1759 (2015), 1760 (2015), 1761 (2015), 1762 (2015), 1763 (2015), 1764 (2015), 1766 (2015), 1767 (2015), 1768 (2015), 1769 (2015), 1770 (2015), 1771, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1789, 1790, 1791, 1792, 1794, 1795, 1796, 1797, 1798, 1799, 1780, 1781, 1782, 1783, 1784, 1805, 1806, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1824, 1825, 1828, 1829, 1830, 1832, 1833, 1834, 1837, 1838, 1839, 1841, 1842, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1856, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1875, 1876, 1877, 1879, 1880, 1881, 1882, 1883, 1884, 1886, 1887, 1888, 1889, 1890, 1891, 1894.
- Albacete** (Ab): 1683 (2014).
- Alicante** (A): 1726, 1673 (2014), 1691 (2014), 1746 (2015), 1882.
- Almería** (Al): 1662 (2014), 1717 (2015), 1724 (2015), 1730 (2015), 1784, 1785, 1792, 1794, 1848, 1849.
- Asturias** (O): 1741, 1664 (2014), 1698 (2014), 1701 (2014), 1816.
- Baleares** (PM): 1770, 1681 (2014), 1689 (2014), 1690 (2014), 1786, 1787, 1876, 1891.
- Barcelona** (B): 1672 (2014), 1673 (2014), 1702 (2014), 1703 (2014), 1712 (2014), 1740 (2015), 1758 (2015), 1839, 1886.
- Cádiz** (Ca): 1725, 1761, 1765, 1659 (2014), 1706 (2014), 1718 (2015), 1724 (2015), 1725 (2015), 1749 (2015), 1776, 1777, 1784, 1785, 1792, 1783, 1812, 1838.
- Cantabria** (S): 1695 (2014), 1698 (2014), 1878.
- Ciudad Real** (CR): 1665 (2014), 1683 (2014), 1719 (2015), 1851, 1881.
- Coruña, La** (C): 1759, 1767, 1670 (2014), 1693 (2014), 1702 (2014), 1715 (2014), 1727 (2015), 1759 (2015), 1760 (2015), 1761 (2015), 1770 (2015), 1781, 1790, 1795, 1805, 1810, 1815, 1820, 1832, 1862, 1871, 1875.
- Córdoba** (Co): 1720 (2015).
- Cuenca** (Cu): 1654 (2014).
- Gerona** (Ge): 1732, 1762, 1661 (2014), 1685 (2014), 1705 (2014), 1709 (2014), 1712 (201), 1813, 1839, 1891.
- Granada** (Gr): 1724 (2015), 1784, 1785, 1792.
- Guadalajara** (Gu): 1654 (2014), 1683 (2014), 1880.
- Guipúzcoa** (SS): 1726 (2014), 1873, 1887.
- Huelva** (H): 1750, 1796, 1879, 1890.
- Huesca** (Hu): 1661 (2014), 1879.
- Lérida** (L): 1753, 1661 (2014), 1712 (2014), 1879.
- León** (Le): 1660 (2014), 1791, 1842, 1861.
- Lugo** (Lu): 1741, 1664 (2014), 1820, 1866, 1871, 1872.
- Madrid** (M): 1751, 1752, 1647 (2014), 1648 (2014), 1708 (2014), 1714 (2014), 1837.
- Málaga** (Ma): 1659 (2014), 1672 (2014), 1702 (2014), 1716 (2014), 1724 (2015), 1725 (2015), 1730 (2015), 1732 (2015), 1763 (2015), 1777, 1784, 1785, 1792, 1847, 1848, 1849.
- Murcia** (Mu): 1644 (2014), 1674 (2014), 1743 (2015), 1782, 1813.
- Orense** (Or): 1809, 1830.
- Pontevedra** (Po): 1756, 1757, 1662 (2014), 1691 (2014), 1664 (2014), 1698 (2014), 1701 (2014), 1707 (2014), 1722 (2015), 1753 (2015), 1763 (2015), 1781, 1789, 1820, 1841, 1856, 1862, 1871, 1894.
- Segovia** (S): 1730 (2015).
- Sevilla** (Se): 1654 (2014), 1684 (2014).
- Tarragona** (T): 1766, 1712 (2015), 1783.
- Toledo** (To): 1683 (2014).
- Valencia** (V): 1743, 1654 (2014), 1673 (2014), 1699 (2014), 1729 (2015), 1746 (2015),

- 1767 (2015), 1863, 1877, 1880, 1882, 1883.
- Vizcaya** (Bi): 1755, 1656 (2014), 1667 (2014), 1726 (2015), 1735 (2015), 1768 (2015), 1784, 1873.
- Zamora** (Za): 1757 (2015).
- Zaragoza** (Z): 1753, 1737 (2015).
- Portugal** (PRT): 1727, 1731, 1733, 1734, 1736, 1737, 1739, 1740, 1748, 1749, 1754, 1758, 1768, 1769, 1657 (2014), 1666 (2014), 1669 (2014), 1676 (2014), 1682 (2014), 1686 (2014), 1696 (2014), 1697 (2014), 1700 (2014), 1711 (2014), 1713 (2014), 1740 (2015), 1747 (2015), 1751 (2015), 1753 (2015), 1755 (2015), 1763 (2015), 1765 (2015), 1766 (2015), 1772, 1779, 1780, 1781, 1788, 1793, 1797, 1798, 1807, 1808, 1811, 1817, 1823, 1827, 1828, 1829, 1831, 1835, 1843, 1845, 1855, 1857, 1858, 1859, 1860, 1874, 1885, 1889, 1892, 1893.
- Algarve** (Ag): 1763 (2015), 1855.
- Alto Alentejo** (AA): 1754.
- Beira Litoral** (BL): 1733, 1768, 1666 (2014), 1676 (2014), 1686 (2014), 1772, 1793, 1827, 1831, 1874, 1885.
- Douro Litoral** (DL): 1768, 1793.
- Estremadura** (Es): 1731, 1749, 1788, 1843, 1859.
- Minho** (Mi): 1768, 1713 (2014), 1753 (2015), 1781, 1858.