

**Casco *et al.*, 2018. Phycochemical flora of the Guadalquivir river basin. its value in determining the ecoregionalization of the basin. Limnetica 37 (2): 239-249 (2018)**

## SUPPLEMENTARY INFORMATION

**Appendix 1.** List of the main literature references used for the identification of the taxa.

*Lista de la bibliografía principal utilizada para la identificación de los taxa.*

- ABOAL M., M. ÁLVAREZ-COBELAS, J. CAMBRA & L. ECTOR. 2003. Floristic list of the non marine diatoms (Bacillariophyceae) of Iberian Peninsula, Balearic Islands and Canary Islands. Update taxonomy and bibliography. In: *Diatom Monographs*. A. Witkowski (ed.). Vol. 4. ARG Gantner Verlag K.G., Berlin. Germany.
- ANAGNOSTIDIS, K. & J. KOMÁREK, 1985. Modern approach to the classification system of Cyanophytes. 1 - Introduction. *Algological Studies* 38/39:291-302. *Archiv Fur Hydrobiologie*, Supplement band 71, 1/2. Stuttgart, Germany.
- ANAGNOSTIDIS, K. & J. KOMÁREK 1988. Modern approach to the classification system of Cyanophytes. 3 - Oscillatoriales. *Algological Studies* 50-53:327-472. *Archiv Fur Hydrobiologie*, Supplement band 80, 1-4. Stuttgart, Germany.
- ANAGNOSTIDIS, K. & J. KOMÁREK. 1990a. Modern approach to the classification system of Cyanophytes. 5 - Stigonematales. *Algological Studies* 59-53:1-73. *Archiv. Fur Hydrobiologie*, Supplement band 86. Stuttgart, Germany.

- ANAGNOSTIDIS, K. & J. KOMÁREK. 1990b. Modern approach to the classification system of Cyanophytes. 5 - Stigonematales. *Algological Studies* 59-53:1-73. *Archiv. Fur Hydrobiologie*, Supplement band 86. Stuttgart, Germany.
- BOURRELLY, P. 1968. *Les algues d'eau douce. Initiation à la systématique. Tome I. Les algues vertes.* N. Boubée et Cie. Paris. France. 511 pp.
- BOURRELLY, P. 1981. *Les algues d'eau douce. Initiation à la systématique. Tome II. Les algues jaunes et brunes. Chrysophycées, Phéophycées, Xanthophycées et Diatomées.* N. Boubée et Cie. Paris. France. 517 pp.
- BOURRELLY, P. 1985. *Les algues d'eau douce. Initiation à la systématique. Tome III. Les algues bleues et rouges, les Eugléniens, Peridiniens et Cryptomonadines.* N. Boubée et Cie. Paris. France. 606 pp.
- BOURRELLY, P. 1988. *Les algues d'eau douce. Initiation à la systématique. Tome I. Add. Les algues vertes.* N. Boubée et Cie. Paris. France. 182 pp.
- BREC L. C., P. Kugrens, & R. Lee. 1999. A revised classification of Cryptophyta. *Botanical Journal of the Linnean Society*, 131: 131–151.
- BUKHTIYAROVA, L. & F.E. ROUND. 1996. Revision of the genus *Achnanthes sensu lato*. *Psammothidium*, a new genus based on *A. marginulatum*. *Diatom Research*, 11 (1): 1-30.
- COMPÈRE, P. 1980. Ultrastructural aspects of the frustule of *Cymbella hustedtii* Krasske. *6<sup>th</sup> Diatom Symposium*: 155-165.
- COSTE, M. & M. RICARD. 1980a. Observation en microscopie photonique de quelques *Nitzschia* nouvelles ou interesantes. *Cryptogamie Algologie*, I (3):187-212.

COSTE, M. & M. RICARD. 1980b. On some interesting finely striated *Nitzschiae* observed under light and electron microscopes. Systematics and ecological aspects. *6<sup>th</sup> Diatom Symposium*: 191-201.

COSTE, M. & L. ECTOR. 2000. Diatomées invasives exotiques ou rares en France: principals observations efectuées au cors des dernières décennies. *Systematics and Geography of Plants*, 70 (2): 373-400.

COX, E.J. 1987. *Placoneis* Mereschowsky: the re-evaluation of a diatom genus originally characterized by its chloroplast type. *Diatom Research*, 2 (2): 145-157.

COX, E.J. 1996. *Identification of freshwater diatoms from live material*. Chapman & Hall. London, GBR. 158 pp.

CRONBERG, G. & J. KOMAREK. 2001. Some chroococcacean and oscillatoriacean Cyanoprokaryotes from southern African lakes, ponds and pools. *Nova Hedwigia*, 73 (1-2): 129-160.

CRONBERG, G. & J. KOMAREK. 2004. Some nostocalean cyanoprokaryotes from lentic habitats of Eastern and Southern Africa. *Nova Hedwigia*, 78 (1-2): 71-106.

DILLAR, G. E. 1989. *Freshwater Algae of the Southeastern United States. Part 1: Chlorophyceae: Volvocales, Tetraspores and Chlorococcales*. Bible.Phycologica, Bd. 81). 37 pls. VI,278 p.

ECHENIQUE, R.O. & J.M. GUERRERO. 2003. Las algas del sistema del río Limay (Argentina). III Chrysophyta, Bacillariophyceae. 1: Centrales. *Boletín de la Sociedad Argentina de Botánica*, 38 (1-2): 149-163.

GERMAIN, H. 1981. *Flore des Diatomées des eaux douces et saumâtres*. Ed. Boubée. Paris. France.

HAKANSSON, H. 2002. A compilation and evaluation of species in the genera *Stephanodiscus*, *Cyclostephanos* and *Cyclotella* with a new genus in the family Stephanodiscaceae. *Diatom Research*, 17 (1): 1-139.

HAWORTH, E.Y. & M.A. HURLEY. 1984. Comparison of the stelligeroid taxa of the centric diatom genus *Cyclotella*. *8<sup>th</sup> Diatom Symposium*: 43-58.

HOEF-EMDEN, K. & M. Melkonian. 2003. Revision of the genus Cryptomonas (Cryptophyceae): a combination of molecular phylogeny and morphology provides insights into a long-hidden dimorphism. *Protist* 154: 371-409.

HUBER-PESTALOZZI, G. (Hrsg.). 1968. *Das Phytoplankton des Süßwassers. Systematik und Biologie*. Band XVI, Teil 3. Das Phytoplankton.Cryptophyceae, Cloromonadophyceae, Dinophyceae.

HUBER-PESTALOZZI, G. (Hrsg.). 1976. *Das Phytoplankton des Süßwassers. Systematik und Biologie*. Band XVI, Teil 2, 1. Hälfte. Chrysophyceen. FarbloseFlagellaten. Heterokonten. 2. Unveränderter Nachdruck.

HUBER-PESTALOZZI, G. (Hrsg.) .1982. *Das Phytoplankton des Süßwassers. Systematik und Biologie*. Band XVI, Teil 8,1. Hälfte. Conjugatophyceae. Zygnematalesund Desmidiales (excl. Zygnemataceae).

HUBER-PESTALOZZI, G. 1983. *Das Phytoplankton des Süßwassers. Systematik und Biologie*. Chlorophyceae 7, Teil, 1. Band XVI. Stuttgart. 1044 p

KOMÁREK J. & K. ANAGNOSTIDIS. 1989. Modern approach to the classification system of Cyanophytes 4, Nostocales. *Arch. Hydrobiol. Suppl.* 82 (3): 247-345.

KOMÁREK J., M. HUBEL, H. HUBEL & J. SMARDA. 1993. The *Nodularia* studies .2. Taxonomy. *Archiv für Hydrobiologie*, 1-25 Suppl. 96.

- KOMÁREK, J. 1995. Studies on the Cyanophytes (Cyanoprokaryotes) of Cuba .10. New and little-known chroococcacean species. *Folia geobotanica and phytotaxonomica*, 30 (1): 81-90.
- KOMÁREK J. & K. ANAGNOSTIDIS. 1999. Cyanoprokaryota 1. Teil: Chroococcales. In: *Süßwasserflora von Mitteleuropa*. Band 19/1. H. Ettl, G. Gärtner, H. Heynig & D. Mollenhauer (eds.): Gustav Fischer. Jena-Stuttgart-Lübeck-Ulm. Germany. 548 pp.
- KOMÁREK, J., J. KOPECKY & V. CEPAK. 1999. Generic characters of the simplest cyanoprokaryotes, *Cyanobium*, *Cyanobacterium* and *Synechococcus*. *Cryptogamie Algologie*, 20 (3): 209-222.
- KOMÁREK, J. & K. JAROSLAVA. 2004. Taxonomic review of the cyanoprokaryotic genera *Planktothrix* and *Planktothricoides*. *Czech Phycology*, Olomouc, 4: 1-18.
- KOMÁREK, J. 2005a. Phenotype diversity of the heterocytous cyanoprokaryotic genus *Anabaenopsis*. *Czech Phycology*, Olomouc 5: 1-35.
- KOMÁREK, J., 2005b. The modern classification of cyanoprokaryotes (cyanobacteria). *Oceanological and Hydrobiological Studies* Vol. XXXIV, Supplement 3.
- KOMÁREK J. & K. ANAGNOSTIDIS. 2005. Cyanoprokaryota 2. Teil: Oscillatoriales. In: *Süßwasserflora von Mitteleuropa*. Band 19/2. Büdel, Krienitz, G. Gärtner & M. Schagerl (eds) Elsevier/Spektrum, Heidelberg L. 759 pp.
- KOMÁREK, J. 2012. Nomenclatural changes in heterocytous Cyanoprokaryotes (Cyanobacteria, Cyanophytes). - *Fottea* 12(1): 141-148, 2012.
- KRAMMER, K. & H. LANGE-BERTALOT. 1986. *Süßwasserflora von Mitteleuropa*. Band 2/1. *Bacillariophyceae. Naviculaceae*. Ed. Spektrum. Berlin. Germany.

- KRAMMER, K. & H. LANGE-BERTALOT. 1988. *Süßwasserflora von Mitteleuropa.*  
*Band 2/2. Bacillariophyceae. Epithemiaceae, Bacillariaceae, Surirellaceae.* Ed.  
Spektrum. Berlin. Germany.
- KRAMMER, K. & H. LANGE-BERTALOT. 1991a. *Süßwasserflora von Mitteleuropa.*  
*Band 2/3. Bacillariophyceae. Centrales, Fragilariaceae, Eunotiaceae.* Ed. Spektrum.  
Berlin. Germany.
- KRAMMER, K. & H. LANGE-BERTALOT. 1991b. *Süßwasserflora von Mitteleuropa.*  
*Band 2/4. Bacillariophyceae. Achnanthaceae. Kritische Ergänzungen zu Navicula*  
*(Lineolatae) und Gomphonema. Gesamtliteratur-verzeichnis für Teil 1-4.* Ed.  
Spektrum. Berlin. Germany.
- KRISTIANSEN, J. & H. R. Preisig (Eds). 2001. *Encyclopedia of Chrysophytes genera.*  
Bibliotheca Phycologica. Band 110. J. Cramer Berling\_ Stuttgat, Germany. 260 pp.
- MAYAMA, S. & H. KOBAYASI. 1989. Sequential valve development in the monoraphid  
diatom *Achnanthes minutissima* var. *saprophila*. *Diatom Research*, 4 (1): 111-117.
- NOVARINO G. 2003. A companion to the identification of cryptomonad flagellates  
(Cryptophyceae = Cryptomonadea). *Hydrobiologia*, 502: 225-269.
- PRYGIEL, J. & M. COSTE. 2000. *Guide méthodologique pour la mise en œuvre de*  
*l'Indice Biologique Diatomées. NF T 90-354.* Étude Agences de l'Eau - Cemagref  
Bordeaux, France.
- REICHARDT, E. & H. LANGE-BERTALOT. 1991. Taxonomische Revision des  
Artenkomplexes um *Gomphonema angustum* – *G. dichotomum* – *G. intrincatum* –  
*G. vibrio* und ähnliche Taxa (Bacillariophyceae). *Nova Hedwigia*, 53: 519-544.

- REICHARDT, E. 1994. Zur Diatomeenflora (Bacillariophyceae) tuffabscheidender Quellen und Bäche in Südlichen Frankenjura. *Berichte der Bayerischen Botanischen Gesellschaft zur Erforschung der heimischen Flora*, 64: 119-133.
- REICHARDT, E. 1997. Taxonomische Revision des Artenkomplexes um *Gomphonema pumilum* (Bacillariophyceae). *Nova Hedwigia*, 65: 99-129.
- ROUND, F.E. & L. BUKHTIYAROVA. 1996. Four new genera based on *Achnanthes* (*Achnanthidium*) together with a re-definition of *Achnanthidium*. *Diatom Research*, 11 (2): 345-361.
- TELL G. & V. CONFORTI. 1986. *Euglenophyta pigmentadas de la Argentina*. Bibliotheca Phycologica, Band 75. J. Cramer. Berlin-Stuttgart. Germany. 301 pp.
- WILLIAMS, D.M. & F.E. ROUND. 1986. Revision of the genus *Synedra* Ehrenberg. *Diatom Research*, 1 (2): 313-339.
- WILLIAMS, D.M. & F.E. ROUND. 1987. Revision of the genus *Fragilaria*. *Diatom Research*, 2 (2): 267-288.
- WOTJAL, A. 2003. Diatoms of the genus *Gomphonema* Ehr. (Bacillariophyceae) from a karstic stream in the Krakowsko-Czestochowska upland. *Acta Societa Botanicorum Poloniae*, 72 (3): 213-220.