Dunaliella acidophila (Kalina) Massjuk 1971

Publication details
Dunaliella acidophila (Kalina) Massjuk 1971: 151

Published in: Massjuk, N.P. (1971). Novyi vyd *Dunaliella* z asymetrichnoyu formoyu klityn [A new species of *Dunaliella* with asymmetric cells]. *Ukrainian Botanical Journal* 28(2): 148-152, 1 fig.

Type species
The type species (holotype) of the genus *Dunaliella* is *Dunaliella salina* (Dunal) Teodoresco.

Status of name
This name is of an entity that is currently accepted taxonomically.

Basionym
Spermatozopsis acidophila Kalina

Type information
Type locality: CSSR: Naturschutzgebiet "Soos" bei Franzensbad (Frantiskovy Lázne) (Index Nominum Algarum).

Homotypic Synonym(s)
Spermatozopsis acidophila Kalina 1965

Nomenclatural notes
Invalid: after 1 Jan 1953, a full and direct reference is required to the author and place of valid publication of the intended basionym, with page or plate reference and date (ICN Art. 41.5). - (5 May 2016) - M.D. Guiry

General environment
This is a freshwater species.

Detailed distribution with sources (Click to Load)

Created: 22 April 2003 by M.D. Guiry

Verified by: 05 May 2016 by M.D. Guiry

Accesses: This record has been accessed by users 1899 times since it was created.

Verification of data
Users are responsible for verifying the accuracy of information before use, as noted on the website Content page.

References
(Please note: only references with the binomials in the **title** are included. The information is from the Literature database.)

Fuggi, A., Pinto, G., Pollio, A. & Taddei, R. (1988). Effects of NaCl, Na_2SO_4, H_2SO_4, and glucose on growth, photosynthesis, and respiration in the acidophilic alga *Dunaliella acidophila* (Volvocales, Chlorophyta). *Phycologia* 27: 334-339, 4 figs.

Fuggi, A., Pinto, G., Pollio, A. & Taddei, R. (1988). The role of glycerol in osmoregulation of the acidophilic alga *Dunaliella acidophila* (Volvocales, Chlorophyta): effect of solute stress on photsynthesis, respiration and glycerol synthesis. *Phycologia* 27: 439-446, 8 figs, 2 tables.

Geib, K., Golldack, D. & Gimmler, H. (1996). Is there a requirement for an external carbonic anhydrase in the extremely acid-resistant green alga *Dunaliella acidophila*?. *European Journal of Phycology* 31: 273-284, 5 figs, 6 tables.

Gimmler, H., Schieder, M., Kowalski, M., Zimmermann, U. & Pick, U. (1991). *Dunaliella acidophila* - An algae with a positive zeta potential at its optimal pH for growth. *Plant Cell Environ* 14(3): 261-269.

Classification:
Empire Eukaryota
Kingdom Plantae
Subkingdom Viridiplantae
Infrakingdom Chlorophyta infrakingdom
Phylum Chlorophyta
Subphylum Chlorophytina
Class Chlorophyceae
Order Chlamydomonadales
Family Dunaliellaceae
Genus Dunaliella

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Citing AlgaeBase

Cite this record as:

M.D. Guiry in Guiry, M.D. & Guiry, G.M. 2021. *AlgaeBase*. World-wide electronic publication, National University of Ireland, Galway. http://www.algaebase.org; searched on 27 September 2021.