

Resource Summary Report

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Culture Collection of Algae at the University of Texas

RRID:SCR_016782

Type: Tool

Proper Citation

Culture Collection of Algae at the University of Texas (RRID:SCR_016782)

Resource Information

URL: <https://utex.org/>

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Description: The UTEX Culture Collection of Algae includes different strains of living algae, representing most major taxa. Cultures in the Collection are used for research, teaching, biotechnology development, and various other projects throughout the world.

Abbreviations: UTEX

Synonyms: The UTEX Culture Collection of Algae, Culture Collection of Algae at the University of Texas, UTEX

Resource Type: biospecimen repository, data or information resource, database, material storage repository, organization portal, portal, service resource, storage service resource

Keywords: culture, collection, algae

Funding: College of Natural Sciences of The University of Texas at Austin ; U.S. National Science Foundation

Availability: Commercially available

Resource Name: Culture Collection of Algae at the University of Texas

Resource ID: SCR_016782

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260829T182522+0000

Ratings and Alerts

No rating or validation information has been found for Culture Collection of Algae at the University of Texas.

No alerts have been found for Culture Collection of Algae at the University of Texas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Kubo S, et al. (2026) Characterization of fucoxanthin-deficient strains in the haptophyte *Tisochrysis lutea* induced by heavy-ion beam irradiation. *Plant & cell physiology*, 67(3), 265.

De Cesare N, et al. (2026) Microalgae-Derived Extracellular Vesicle-Loaded 3D Alginate Hydrogels Promote In Vitro Skin and Bone Repair through Dual Fibroblast and Mesenchymal Stem Cell Modulation. *ACS applied bio materials*, 9(2), 1167.

Zanoni I, et al. (2025) Hybrid materials for wastewater treatment: synergistic coupling of *Neochloris oleoabundans* and TiO₂ nanoparticles. *Nanoscale advances*, 7(12), 3803.

Hassanien A, et al. (2025) Gene expression analysis reveals genes related to heavy metals and produced water exposure in *Synechococcus elongatus*. *International microbiology : the official journal of the Spanish Society for Microbiology*, 28(8), 2697.

Truong TQ, et al. (2024) Understanding the Impact of Nitrogen Availability: A Limiting Factor for Enhancing Fucoxanthin Productivity in Microalgae Cultivation. *Marine drugs*, 22(2).

Baldisserotto C, et al. (2024) Cultivation modes affect the morphology, biochemical composition, and antioxidant and anti-inflammatory properties of the green microalga *Neochloris oleoabundans*. *Protoplasma*, 261(6), 1185.

Madhuri S, et al. (2024) A Knockout of the Photoreceptor PtAureo1a Results in Altered Diel Expression of Diatom Clock Components. *Plants (Basel, Switzerland)*, 13(11).

Feng X, et al. (2024) Genomes of multicellular algal sisters to land plants illuminate signaling network evolution. *Nature genetics*, 56(5), 1018.

Lee C, et al. (2023) Complete plastome of *Coelastrum microporum* N??geli (Scenedesmaceae, Sphaeropleales). *Mitochondrial DNA. Part B, Resources*, 8(9), 948.

Schaedig E, et al. (2023) Isolation of phosphorus-hyperaccumulating microalgae from revolving algal biofilm (RAB) wastewater treatment systems. *Frontiers in microbiology*, 14, 1219318.

Geng S, et al. (2023) A conserved RWP-RK transcription factor VSR1 controls gametic differentiation in volvocine algae. *Proceedings of the National Academy of Sciences of the United States of America*, 120(29), e2305099120.

Feng X, et al. (2023) Chromosome-level genomes of multicellular algal sisters to land plants illuminate signaling network evolution. *bioRxiv : the preprint server for biology*.

Mattila H, et al. (2022) Evaluation of visible-light wavelengths that reduce or oxidize the plastoquinone pool in green algae with the activated F0 rise method. *Photosynthetica*, 60(4), 529.

Cai P, et al. (2022) SynBioStrainFinder: A microbial strain database of manually curated CRISPR/Cas genetic manipulation system information for biomanufacturing. *Microbial cell factories*, 21(1), 87.

Nozaki H, et al. (2022) Morphology, mating system and taxonomy of *Volvox africanus* (Volvocaceae, Chlorophyceae) from Thailand. *Botanical studies*, 63(1), 1.

Nozaki H, et al. (2022) Cryopreservation of vegetative cells and zygotes of the multicellular volvocine green alga *Gonium pectorale*. *BMC microbiology*, 22(1), 103.

Baldisserotto C, et al. (2022) Characterization of *Neochloris oleoabundans* under Different Cultivation Modes and First Results on Bioactivity of Its Extracts against HCoV-229E Virus. *Plants (Basel, Switzerland)*, 12(1).

Park SH, et al. (2022) Comparison of *Auxenochlorella protothecoides* and *Chlorella* spp. Chloroplast Genomes: Evidence for Endosymbiosis and Horizontal Virus-like Gene Transfer. *Life (Basel, Switzerland)*, 12(3).

Bandyopadhyay A, et al. (2021) Antenna Modification Leads to Enhanced Nitrogenase Activity in a High Light-Tolerant Cyanobacterium. *mBio*, 12(6), e0340821.

Decamp A, et al. (2021) A New, Quick, and Simple Protocol to Evaluate Microalgae Polysaccharide Composition. *Marine drugs*, 19(2).