

Resource Summary Report

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DichroWeb

RRID:SCR_018125

Type: Tool

Proper Citation

DichroWeb (RRID:SCR_018125)

Resource Information

URL: <http://dichroweb.cryst.bbk.ac.uk/html/home.shtml>

Proper Citation: DichroWeb (RRID:SCR_018125)

Description: Web server for analysis of protein circular dichroism spectra. Provides access to circular dichroism secondary structure calculation algorithms and reference databases. Used in analysis of protein secondary structures.

Resource Type: production service resource, web service, software resource, data access protocol, data analysis service, analysis service resource, service resource

Defining Citation: [PMID:17896349](#), [PMID:15215473](#)

Keywords: Analysis, protein, circular dichroism spectra, secondary structure, reference database, algorithm, bio.tools

Funding: BBSRC

Availability: Restricted

Resource Name: DichroWeb

Resource ID: SCR_018125

Alternate IDs: biotools:dichroweb

Alternate URLs: <https://bio.tools/dichroweb>

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260808T190059+0000

Ratings and Alerts

No rating or validation information has been found for DichroWeb.

No alerts have been found for DichroWeb.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 90 mentions in open access literature.

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

Zhang J, et al. (2026) Structural Characteristics of Theragra chalcogramma Milt Peptides and Their Anti-Fatigue Activity via AMPK/PGC-1 α Mediated Energy Metabolism Regulation in Exercised Mice. *Nutrients*, 18(5).

Ryan EL, et al. (2026) Influence of Pulsed Electric Field Technology on Functionality and Protein Structure of Evaporated Skim Milk and Nonfat Dry Milk. *International journal of molecular sciences*, 27(8).

Ragucci S, et al. (2026) Purification, Amino Acid Sequence, and Structural Features of a Novel Expansin-like A from the Seeds of Canihua (*Chenopodium pallidicaule* Aellen). *International journal of molecular sciences*, 27(12).

Olukitibi AD, et al. (2026) Structural and functional properties of *Moringa stenopetala* seed meal protein isolates obtained from solvent-assisted protein extraction. *Food production, processing and nutrition*, 8(1), 17.

Hendgen-Cotta UB, et al. (2026) Reverse engineering of BNIP3 identifies a mitochondrial protective peptide. *Nature communications*, 17(1).

Samulevich ML, et al. (2025) Conformational Analyses of the AHD1-UBAN Region of TNIP1 Highlight Key Amino Acids for Interaction with Ubiquitin. *Biomolecules*, 15(3).

Chukwuejim S, et al. (2025) Structural, physicochemical, and functional properties of white and blue lupin vicilin and legumin fractions. *Food chemistry: X*, 31, 103078.

Bicer D, et al. (2025) Structural basis of specific lysine transport by *Pseudomonas aeruginosa* permease LysP. *Nature communications*, 17(1), 37.

Muzenda FL, et al. (2025) Biochemical and biophysical characterization of *Plasmodium falciparum* glucose regulated protein 170. *Scientific reports*, 15(1), 27655.

Pesce G, et al. (2025) Dissecting Henipavirus W proteins conformational and fibrillation properties: contribution of their N- and C-terminal constituent domains. *The FEBS journal*, 292(3), 556.

Belloir C, et al. (2025) Inosine-5'-monophosphate interacts with the TAS1R3 subunit to enhance sweet taste detection. *Food chemistry. Molecular sciences*, 10, 100246.

Wychowaniec JK, et al. (2025) Effect of Tyrosine-Containing Self-Assembling β -Sheet Peptides on Macrophage Polarization and Inflammatory Response. *ACS applied materials & interfaces*, 17(19), 27740.

Qian D, et al. (2025) Heat-stable protein PGSL1 enhances pollen germination and tube growth at high temperature. *Nature communications*, 16(1), 3642.

Yang H, et al. (2025) The Effect of Lipids on the Structure and Function of Egg Proteins in Response to Pasteurization. *Foods (Basel, Switzerland)*, 14(2).

Naz Z, et al. (2025) A Bifunctional Phosphoglucomutase/Phosphomannomutase from *Thermococcus kodakarensis*: Biophysical Analysis and Cryo-EM Structure. *Biomolecules*, 15(3).

León-Heredia MA, et al. (2025) Temperature-Induced Structural Changes in Muscle Proteins from Giant Squid (*Dosidicus gigas*) Mantle: FT-IR, Circular Dichroism, and FE-SEM Analysis. *Foods (Basel, Switzerland)*, 14(17).

Quan Z, et al. (2025) Study on the antioxidant and antiosteoporotic activities of the oyster peptides prepared by ultrasound-assisted enzymatic hydrolysis. *Ultrasonics sonochemistry*, 112, 107211.

Muzenda FL, et al. (2025) Characterization and Inhibition of the Chaperone Function of *Plasmodium falciparum* Glucose-Regulated Protein 94 kDa (Pf Grp94). *Proteins*, 93(5), 957.

Yu Q, et al. (2025) Investigation of the astringency-masking effect of γ -carrageenan on natural polyphenols and its differential mechanism at various concentrations. *Food chemistry: X*, 28, 102534.

Wang X, et al. (2025) Inhibition of Xanthine Oxidase by Four Phenolic Acids: Kinetic, Spectroscopic, Molecular Simulation, and Cellular Insights. *Foods (Basel, Switzerland)*, 14(19).