

Resource Summary Report

Generated by T1D on Aug 1, 2026

GNPS

RRID:SCR_019012

Type: Tool

Proper Citation

GNPS (RRID:SCR_019012)

Resource Information

URL: <https://gnps.ucsd.edu/>

Proper Citation: GNPS (RRID:SCR_019012)

Description: Web based mass spectrometry ecosystem that aims to be open access knowledge base for community wide organization and sharing of raw, processed or identified tandem mass spectrometry data. Database of mass spectrometry datasets.

Synonyms: Global Natural Products Social Molecular Networking

Resource Type: data or information resource, data repository, storage service resource, database, service resource, production service resource, analysis service resource

Defining Citation: [PMID:27504778](#)

Keywords: Mass spectrometry, mass spectrometry data, dataset, data analysis, FASEB list

Availability: Free, Freely available

Resource Name: GNPS

Resource ID: SCR_019012

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260801T190627+0000

Ratings and Alerts

No rating or validation information has been found for GNPS.

No alerts have been found for GNPS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 396 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Liu K, et al. (2026) Fuzheng Jiedu formula attenuates acute pneumonia by coordinated regulation of macrophage NLRP3 inflammasome and neutrophil NETs. *Chinese medicine*, 21(1), 1.

Alves MAPMDS, et al. (2026) Manganese-Induced Production of Antioxidant Polyene Steroids in the Extremophile Fungus *Talaromyces fuscoviridis* Isolated From Copper-Mine Soil. *Chemistry & biodiversity*, 23(1), e01816.

Dabbous-Wach A, et al. (2025) Quantification of α -Acids, β -Acids, and Phenolic Compounds in Corsican Hops Using LC-MS/MS and Metabolomic Approach Through Molecular Networks. *Phytochemical analysis : PCA*, 36(2), 438.

Edlund J, et al. (2025) Chemical exposomics in biobanked plasma samples and associations with breast cancer risk factors. *Journal of exposure science & environmental epidemiology*, 35(4), 567.

Meijer D, et al. (2025) Empowering natural product science with AI: leveraging multimodal data and knowledge graphs. *Natural product reports*, 42(4), 654.

Wright G, et al. (2025) A microbial natural product fractionation library screen with HRMS/MS dereplication identifies new lipopeptaibiotics against *Candida auris*. *Research square*.

Zhang J, et al. (2025) In vitro bioactivity and metabolomics of green tea processed from raw materials of different. *Current research in food science*, 10, 101076.

Dos Santos A, et al. (2025) Survival strategies of *Rhinocycladiella similis* in perchlorate-rich Mars like environments. *NPJ microgravity*, 11(1), 18.

Consorti E, et al. (2025) Co-Cultivation with *Azolla* Affects the Metabolome of Whole Rice Plant Beyond Canonical Inorganic Nitrogen Fertilization. *Rice (New York, N.Y.)*, 18(1), 49.

Mafhala L, et al. (2025) Molecular Networking-Driven Chemical Profiling, Characterization, and Antibacterial Effects of CuO Nanoparticles Synthesized from Citrus Unshiu Peel Extract. *ChemistryOpen*, 14(12), e202500374.

Oluwabusola ET, et al. (2025) Integrated Omics-Based Discovery of Bioactive Halogenated Metabolites from the Deep-Sea *Streptomyces* sp. B188M101. *Marine drugs*, 23(9).

Xu R, et al. (2025) Natural product virtual-interact-phenotypic target characterization: A novel approach demonstrated with *Salvia miltiorrhiza* extract. *Journal of pharmaceutical analysis*, 15(2), 101101.

de Castro PA, et al. (2025) *Aspergillus fumigatus* secondary metabolite pyripyropene is important for the dual biofilm formation with *Pseudomonas aeruginosa*. *mBio*, 16(4), e0036325.

Qiao X, et al. (2025) Comprehensive mutant chemotyping reveals embedding of a lineage-specific biosynthetic gene cluster in wider plant metabolism. *Proceedings of the National Academy of Sciences of the United States of America*, 122(12), e2417588122.

Persaud M, et al. (2025) Untargeted Metabolomics and Targeted Phytohormone Profiling of Sweet Aloes (*Euphorbia neriifolia*) from Guyana: An Assessment of Asthma Therapy Potential in Leaf Extracts and Latex. *Metabolites*, 15(3).

Bayne C, et al. (2025) Multi-omic signatures of host response associated with presence, type, and outcome of enterococcal bacteremia. *mSystems*, 10(2), e0147124.

Kretschmer F, et al. (2025) Coverage bias in small molecule machine learning. *Nature communications*, 16(1), 554.

Aldian D, et al. (2025) Insights into rutin and quercetin biotransformations in ruminants revealed by molecular networking. *Journal of animal science*, 103.

Yin Q, et al. (2025) New sesquiterpenoids with anti-inflammatory effects from phytopathogenic fungus *Bipolaris sorokiniana* 11134. *Natural products and bioprospecting*, 15(1), 29.

Poynton EF, et al. (2025) The Natural Products Atlas 3.0: extending the database of microbially derived natural products. *Nucleic acids research*, 53(D1), D691.