

Resource Summary Report

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GNPS

RRID:SCR_019012

Type: Tool

Proper Citation

GNPS (RRID:SCR_019012)

Resource Information

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

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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: service resource, database, analysis service resource, storage service resource, production service resource, data repository, data or information 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: 20260728T043556+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 [kravitz2](#).

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).

Baky MH, et al. (2025) Multi-targeted MS-based metabolomics fingerprinting of black and white pepper coupled with molecular networking in relation to their in vitro antioxidant and antidiabetic effects. *RSC advances*, 15(34), 27606.

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.

Park EJ, et al. (2025) Revisiting the Metabolism of Donepezil in Rats Using Non-Targeted Metabolomics and Molecular Networking. *Pharmaceutics*, 17(1).

Gong S, et al. (2025) The underappreciated diversity of furanocoumarins in grapefruits revealed by MassQL filtered molecular networking. *Food chemistry: X*, 25, 102233.

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.

Trapp A, et al. (2025) One Bloom Is Not Like the Other-Distinct Environmental Drivers Result in Domoic Acid Events in Monterey Bay, California. *Toxins*, 17(10).

Wang H, et al. (2025) LC-MS/MS-guided discovery of japonamides C and D, two new cyclohexadepsipeptides, from the *Nicotiana tabacum*-derived endophytic fungus *Aspergillus japonicus* TE-739D. *Frontiers in microbiology*, 16, 1595569.

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

Butkovich LV, et al. (2025) Untargeted GC-MS Metabolic Profiling of Anaerobic Gut Fungi Reveals Putative Terpenoids and Strain-Specific Metabolites. *Metabolites*, 15(9).