Resource Summary Report

Generated by ASWG on Aug 2, 2026

enviPat

RRID:SCR_003034
Type: Tool

Proper Citation

enviPat (RRID:SCR_003034)

Resource Information

URL: http://cran.r-project.org/web/packages/enviPat/

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Description: Software for fast and very memory-efficient calculation of isotope patterns, subsequent convolution to theoretical envelopes (profiles) plus valley detection and centroidization or intensoid calculation. Batch processing, resolution interpolation, wrapper, adduct calculations and molecular formula parsing.

Synonyms: enviPat: Isotope pattern profile and centroid calculation for mass spectrometry

Resource Type: software resource

Keywords: standalone software, mac os x, unix/linux, windows, r

Availability: Free, Freely available

Resource Name: enviPat

Resource ID: SCR_003034

Alternate IDs: OMICS_02408

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260801T190224+0000

Ratings and Alerts

No rating or validation information has been found for enviPat.

No alerts have been found for enviPat.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Kondi? T, et al. (2025) Shinyscreen: mass spectrometry data inspection and quality checking utility. Journal of cheminformatics, 17(1), 98.

Beloki Ezker I, et al. (2025) Streamlining Quantification and Data Harmonization of Polychlorinated Alkanes Using a Platform-Independent Workflow. Environmental science & technology, 59(41), 22074.

Graça AP, et al. (2025) MftG is crucial for ethanol metabolism of mycobacteria by linking mycofactocin oxidation to respiration. eLife, 13.

McCusker TL, et al. (2025) Developing Lanthanide-Nitrate Cluster Chemistry toward Rare Earth Separations. Inorganic chemistry, 64(33), 16789.

Savani MR, et al. (2025) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. bioRxiv : the preprint server for biology.

Zhao T, et al. (2024) ChloroDBPFinder: Machine Learning-Guided Recognition of Chlorinated Disinfection Byproducts from Nontargeted LC-HRMS Analysis. Analytical chemistry, 96(6), 2590.

Mendo Diaz O, et al. (2024) A Quasi Real-Time Evaluation of High-Resolution Mass Spectra of Complex Chlorinated Paraffin Mixtures and Their Transformation Products. Analytical chemistry, 96(30), 12378.

Baljozovi? M, et al. (2024) Planar and Curved ?-Extended Porphyrins by On-Surface Cyclodehydrogenation. Journal of the American Chemical Society, 146(50), 34600.

Siddiqui MU, et al. (2024) Screening Disinfection Byproducts in Arid-Coastal Wastewater: A Workflow Using GC×GC-TOFMS, Passive Sampling, and NMF Deconvolution Algorithm. Journal of xenobiotics, 14(2), 554.

Unniram Parambil AR, et al. (2024) Atomically precise surface chemistry of zirconium and hafnium metal oxo clusters beyond carboxylate ligands. Chemical science, 15(42), 17380.

Hsu DJ, et al. (2023) Arginine limitation causes a directed DNA sequence evolution response in colorectal cancer cells. bioRxiv : the preprint server for biology.

Maugrion E, et al. (2023) Extracellular Vesicles Contribute to the Difference in Lipid Composition between Ovarian Follicles of Different Size Revealed by Mass Spectrometry Imaging. Metabolites, 13(9).

Marcinkowski D, et al. (2023) Unexpected structural complexity of d-block metallosupramolecular architectures within the benzimidazole-phenoxo ligand scaffold for crystal engineering aspects. Scientific reports, 13(1), 18055.

Kaußler C, et al. (2022) "Dynamical Docking" of Cyclic Dinuclear Au(I) Bis-N-heterocyclic Complexes Facilitates Their Binding to G-Quadruplexes. Inorganic chemistry, 61(50), 20405.

Papanastasiou D, et al. (2022) The Omnitrap Platform: A Versatile Segmented Linear Ion Trap for Multidimensional Multiple-Stage Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 33(10), 1990.

Knobloch MC, et al. (2022) Chemical synthesis and characterization of single-chain C18-chloroparaffin materials with defined degrees of chlorination. Chemosphere, 291(Pt 2), 132938.

El Abiead Y, et al. (2021) mzRAPP: a tool for reliability assessment of data pre-processing in non-targeted metabolomics. Bioinformatics (Oxford, England), 37(20), 3678.

Nicolardi S, et al. (2021) Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. Analytical chemistry, 93(10), 4666.

Knobloch MC, et al. (2021) Transformation of short-chain chlorinated paraffins and olefins with the bacterial dehalogenase LinB from Sphingobium Indicum - Kinetic models for the homologue-specific conversion of reactive and persistent material. Chemosphere, 283, 131199.

Nabiyeva T, et al. (2021) Osmium Arene Germyl, Stannyl, Germanate, and Stannate Complexes as Anticancer Agents. ACS omega, 6(29), 19252.