

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## SIMCA

RRID:SCR\_014688

Type: Tool

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### Proper Citation

SIMCA (RRID:SCR\_014688)

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### Resource Information

**URL:** <http://umetrics.com/products/simca>

**Proper Citation:** SIMCA (RRID:SCR\_014688)

**Description:** A company that provides data analysis software with features such as multivariate tools, data mining, process modeling and interactive graphics.

**Resource Type:** analysis service resource, data analysis service, production service resource, service resource

**Keywords:** metabolomics, metabolomics tool, data analysis, multivariate tools, data mining, process modeling, interactive graphics, data analysis service

**Availability:** Commercial, 30 day trial available

**Resource Name:** SIMCA

**Resource ID:** SCR\_014688

**Record Creation Time:** 20220129T080321+0000

**Record Last Update:** 20260905T133211+0000

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### Ratings and Alerts

No rating or validation information has been found for SIMCA.

No alerts have been found for SIMCA.

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### Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 3073 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Issmer AH, et al. (2026) Evaluating Coronavirus Stability: Insights From Raman Spectroscopy and Multivariate Analysis. *Journal of biophotonics*, 19(6), e70305.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Deng B, et al. (2026) Combined Transcriptomic and Metabolomic Analysis Reveals an Ethylene-Activated Regulatory Model on Monoterpenoid Indole Alkaloid Biosynthesis in *Catharanthus roseus*. *Plant biotechnology journal*, 24(2), 363.

An J, et al. (2026) Integrative Multiomics Analysis Reveals the Ameliorative Effects of *Astragalus membranaceus* Extract on Metabolic Dysfunction-Associated Steatotic Liver Disease. *Molecules (Basel, Switzerland)*, 31(7).

Yassen MS, et al. (2026) Comparative analysis of flower volatiles from four *Jasminum* species growing in Egypt using multivariate analysis. *Scientific reports*, 16(1).

Jiang X, et al. (2026) Osteoblast-derived osteomodulin restrains osteoclastogenesis via ITGB8/RRM2-mediated reduction of mitochondrial respiration and mitochondrial ATP production. *Experimental & molecular medicine*, 58(3), 879.

Nie H, et al. (2026) Protein Modifications and Metabolic Alterations in the Rat Striatum Following Oil Mist Particulate Matter Exposure Revealed via Untargeted Metabolomics and Phosphoproteomics. *Toxics*, 14(3).

Zhang J, et al. (2026) Antitumor Study of the Miao Medicine *Indigofera stachyodes* by Integrating Multiple Chemometrics Network Pharmacology and Experimental Validation. *Current issues in molecular biology*, 48(3).

Shirian FI, et al. (2026) Adaptation to glucose restriction and  $\gamma$ -hydroxybutyrate supplementation is associated with metabolic flexibility in lung cancer cells. *Scientific reports*, 16(1).

Han J, et al. (2026) Deciphering the Microbe-Metabolite Network in Irradiated Chicken Breast Meat: Multi-Omics Characterization of Differential Quality Response Mechanisms to Stepwise Irradiation Doses. *Microorganisms*, 14(2).

Zhou M, et al. (2026) Development of surface enhanced Raman spectra coupled with machine learning analysis for differentiation of closely related species within *Enterobacter cloacae* complex. *BMC microbiology*, 26(1).

Xu X, et al. (2026) Effects of Oil Properties on Stability Behavior of High-Energy-Density Fat Emulsions. *Foods (Basel, Switzerland)*, 15(4).

Shu N, et al. (2026) Major Volatile Aroma Composition, Organic Acids, and Color Characteristics: A Comparative Study of Berries and Wines from *Vitis amurensis* and Its Interspecific Hybrids. *Foods* (Basel, Switzerland), 15(4).

Tong K, et al. (2026) Red Yeast Rice-Driven Kombucha Fermentation: A Novel Strategy for Developing Functional Beverages with Enhanced Hypoglycemic and Hypolipidemic Properties. *Foods* (Basel, Switzerland), 15(4).

Dong J, et al. (2026) Terpenoids Associated with the Resistance of Poplar to Canker Disease as Revealed by Transcriptomics and Metabolomics Analyses. *Biology*, 15(3).

Wang B, et al. (2026) Multi-omics-based metabolomic kinetics study of corn stover fermented by combined probiotic and enzymatic treatment. *BMC microbiology*, 26(1).

Zhang L, et al. (2026) Quality evaluation, authentication, and redundancy analysis of wild and farmed silver carp based on amino acid profiles. *NPJ science of food*, 10(1).

Lin D, et al. (2026) Identification of *Citri Reticulatae* Pericarpium (Chenpi) From Different Cultivars via LC-MS/MS and UPLC Coupled With Multivariate Chemometrics Analysis. *Food science & nutrition*, 14(3), e71591.

Deng Y, et al. (2026) Incidence and Predictive Factors for Surgical Interventions Following Simple Congenital Heart Disease Interventional Transcatheter/Interventional Procedure. *Journal of cardiovascular development and disease*, 13(5).

Tang H, et al. (2026) Lung Tissue Metabolome Investigation Reveals the In Vivo Effects of Zhuye Shigao Decoction in an LPS-Induced Acute Pneumonia Model in Mice. *Mediators of inflammation*, 2026(1), e6034066.