

Resource Summary Report

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NMRProcFlow

RRID:SCR_016592

Type: Tool

Proper Citation

NMRProcFlow (RRID:SCR_016592)

Resource Information

URL: <https://nmrprocflow.org>

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Description: Software as graphical and interactive tool dedicated to 1D spectra processing for NMR-based metabolomics.

Synonyms: Nuclear Magnetic Resonance PROcessing FLOW, Nuclear Magnetic Resonance Processing Flow

Resource Type: software resource, software application, data processing software, data visualization software

Defining Citation: [DOI:10.1007/s11306-017-1178-y](https://doi.org/10.1007/s11306-017-1178-y)

Keywords: NMR, metabolomics, data, viewer, spectra, processing, graphical, interface, bio.tools

Funding: French National Infrastructure in Metabolomics and Fluxomics

Availability: Free, Available for download, Freely available

Resource Name: NMRProcFlow

Resource ID: SCR_016592

Alternate IDs: biotools:nmrprocflow, SCR_022777

Alternate URLs: <https://github.com/INRA/NMRProcFlow>, <https://bio.tools/nmrprocflow>, <https://github.com/inra/nmrprocflow>

License: GNU GPL v3

Record Creation Time: 20220129T080331+0000

Ratings and Alerts

No rating or validation information has been found for NMRProcFlow.

No alerts have been found for NMRProcFlow.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Filbertine G, et al. (2025) An NMR Metabolomics Analysis Pipeline for Human Neutrophil Samples with Limited Source Material. *Metabolites*, 15(9).

Mateos-Hernandez L, et al. (2025) Antimicrobiota vaccine induces lysine-mediated modulation of tick immunity affecting *Borrelia* colonization. *FEMS microbiology ecology*, 101(9).

Yu MS, et al. (2025) Dynamics of Urine Metabolomics and Tubular Inflammatory Cytokines in Type 1 Diabetes Across Disease Durations. *Metabolites*, 15(11).

Bouquet C, et al. (2025) Nonliving respiration: Another breath in the soil? *Science advances*, 11(46), eadw9065.

Hojná S, et al. (2025) Oxidative Stress, Metabolic Impairment and Neuroinflammation are Associated With Target Organ Damage in SHRSP. *Physiological research*, 74(5), 779.

Deborde C, et al. (2025) Chemical exchange saturation transfer magnetic resonance imaging for metabolic mapping of ripening tomato fruit: Quite a challenge! *Food chemistry*, 493(Pt 1), 145630.

Samukha V, et al. (2024) NMR Metabolomics and Chemometrics of Commercial Varieties of *Phaseolus vulgaris* L. Seeds from Italy and In Vitro Antioxidant and Antifungal Activity. *Plants (Basel, Switzerland)*, 13(2).

Goossens C, et al. (2024) Impact of the delay in cryopreservation timing during biobanking procedures on human liver tissue metabolomics. *PloS one*, 19(6), e0304405.

Canlet C, et al. (2023) NMR metabolite quantification of a synthetic urine sample: an inter-laboratory comparison of processing workflows. *Metabolomics : Official journal of the Metabolomic Society*, 19(7), 65.

Sofreni? I, et al. (2023) Metabolomics as a Potential Chemotaxonomical Tool: Application on the Selected Euphorbia Species Growing Wild in Serbia. *Plants (Basel, Switzerland)*, 12(2).

Mallet D, et al. (2022) A metabolic biomarker predicts Parkinson's disease at the early stages in patients and animal models. *The Journal of clinical investigation*, 132(4).

Juang HH, et al. (2021) The Clinical Experiences of Urine Metabolomics of Genitourinary Urothelial Cancer in a Tertiary Hospital in Taiwan. *Frontiers in oncology*, 11, 680910.

Hung CI, et al. (2021) Metabolomics-based discrimination of patients with remitted depression from healthy controls using 1H-NMR spectroscopy. *Scientific reports*, 11(1), 15608.

Deborde C, et al. (2021) Putative imbalanced amino acid metabolism in rainbow trout long term fed a plant-based diet as revealed by 1H-NMR metabolomics. *Journal of nutritional science*, 10, e13.

Spina R, et al. (2021) Molecular Identification of Endophytic Bacteria in *Leucojum aestivum* In Vitro Culture, NMR-Based Metabolomics Study and LC-MS Analysis Leading to Potential Amaryllidaceae Alkaloid Production. *International journal of molecular sciences*, 22(4).

Vial J, et al. (2020) Low expression of ANT1 confers oncogenic properties to rhabdomyosarcoma tumor cells by modulating metabolism and death pathways. *Cell death discovery*, 6, 64.

Chen FH, et al. (2020) Multimodal imaging reveals transient liver metabolic disturbance and sinusoidal circulation obstruction after a single administration of ketamine/xylazine mixture. *Scientific reports*, 10(1), 3657.

Roch L, et al. (2020) Biomass composition explains fruit relative growth rate and discriminates climacteric from non-climacteric species. *Journal of experimental botany*, 71(19), 5823.

Santacruz L, et al. (2020) Metabolomic study of soft corals from the Colombian Caribbean: PSYCHE and 1H-NMR comparative analysis. *Scientific reports*, 10(1), 5417.

Ranjan R, et al. (2019) Nuclear magnetic resonance (NMR)-based metabolomics for cancer research. *NMR in biomedicine*, 32(10), e3916.