

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

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 29 mentions in open access literature.

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

Jacob D, et al. (2026) A Reproducible Workflow for Modelling of ¹H to ¹³C Polarization Transfer Kinetics Using Solid-State NMR. Magnetic resonance in chemistry : MRC, 64(6), 532.

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).

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.

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

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.

Casu F, et al. (2024) Evaluation of a hepatic biomarker of nutritional imbalance in juvenile red drum (Sciaenops ocellatus) fed 60% soybean meal-based diets using NMR-based metabolomics. Animal nutrition (Zhongguo xu mu shou yi xue hui), 16, 45.

Chitiva LC, et al. (2024) Metabolomic Profiling of Guadua Species and Its Correlation with Antioxidant and Cytotoxic Activities. ACS omega, 9(35), 36939.

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.

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).

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.

Nor Mahiran SNS, et al. (2023) Multivariate modelling analysis for prediction of glycidyl esters and 3-monochloropropane-1,2-diol (3-MCPD) formation in periodically heated palm oil. *Heliyon*, 9(10), e20413.

Tambay V, et al. (2023) Metabolomics-Guided Identification of a Distinctive Hepatocellular Carcinoma Signature. *Cancers*, 15(12).

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).

Huang C, et al. (2022) Systematic Investigations on the Metabolic and Transcriptomic Regulation of Lactate in the Human Colon Epithelial Cells. *International journal of molecular sciences*, 23(11).

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).

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).

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.