

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

MARS (Multi-Atlas Robust Segmentation)

RRID:SCR_014137

Type: Tool

Proper Citation

MARS (Multi-Atlas Robust Segmentation) (RRID:SCR_014137)

Resource Information

URL: <http://www.nitrc.org/projects/mars/>

Proper Citation: MARS (Multi-Atlas Robust Segmentation) (RRID:SCR_014137)

Description: Software which provides the automatic solutions for efficient segmentation/labeling anatomical structures from medical images. It has integrated several multi-atlas based segmentation methods such as majority voting, local weighted voting, and non-local patch based segmentation methods.

Resource Type: image analysis software, software application, data processing software, software resource, segmentation software

Defining Citation: [PMID:24315359](https://pubmed.ncbi.nlm.nih.gov/24315359/)

Keywords: segmentation software, anatomical structure, label, multi atlas

Funding:

Availability: Available to the research community

Resource Name: MARS (Multi-Atlas Robust Segmentation)

Resource ID: SCR_014137

License: GNU General Public License

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250417T065446+0000

Ratings and Alerts

No rating or validation information has been found for MARS (Multi-Atlas Robust Segmentation).

No alerts have been found for MARS (Multi-Atlas Robust Segmentation).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Repaji? M, et al. (2021) Bioactive Compounds in Wild Nettle (*Urtica dioica* L.) Leaves and Stalks: Polyphenols and Pigments upon Seasonal and Habitat Variations. *Foods* (Basel, Switzerland), 10(1).

Lamiré LA, et al. (2020) Gradient in cytoplasmic pressure in germline cells controls overlying epithelial cell morphogenesis. *PLoS biology*, 18(11), e3000940.

Pattanakuhar S, et al. (2020) N-acetylcysteine Restored Heart Rate Variability and Prevented Serious Adverse Events in Transfusion-dependent Thalassemia Patients: a Double-blind Single Center Randomized Controlled Trial. *International journal of medical sciences*, 17(9), 1147.

Elez Garofuli? I, et al. (2020) Evaluation of Polyphenolic Profile and Antioxidant Activity of *Pistacia lentiscus* L. Leaves and Fruit Extract Obtained by Optimized Microwave-Assisted Extraction. *Foods* (Basel, Switzerland), 9(11).

Wu G, et al. (2015) Hierarchical multi-atlas label fusion with multi-scale feature representation and label-specific patch partition. *NeuroImage*, 106, 34.