

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

MicrobeJ

RRID:SCR_023914

Type: Tool

Proper Citation

MicrobeJ (RRID:SCR_023914)

Resource Information

URL: <https://www.microbej.com/>

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Description: Software tool for high throughput bacterial cell detection and quantitative analysis. Used to analyze bacterial cells. Used to process images derived from variety of microscopy experiments with special emphasis on large image sets. Performs intensity and morphology measurements as well as customized detection of poles, septa, fluorescent foci, and organelles, determines their sub-cellular localization with sub-pixel resolution, and tracks them over time.

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

Defining Citation: [PMID:27572972](#)

Keywords: bacterial cell detection, analyze bacterial cells, bacteria quantitative analysis, process images, intensity and morphology measurements,

Funding: NIGMS GM51986;
NIGMS GM113172;
Indiana University Office of the Vice President for Research ;
NCATS UL1TR001108

Availability: Free, Available for download, Freely available

Resource Name: MicrobeJ

Resource ID: SCR_023914

Record Creation Time: 20230805T050219+0000

Record Last Update: 20260808T190250+0000

Ratings and Alerts

No rating or validation information has been found for MicrobeJ.

No alerts have been found for MicrobeJ.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Feddersen H, et al. (2026) Membrane binding controls the ATPase cycle and localization of MinD in *Bacillus subtilis*. *eLife*, 13.

Goodall DJ, et al. (2026) Termination of DNA replication drives genomic instability via multiple mechanisms. *Nucleic acids research*, 54(2).

Larotonda LI, et al. (2026) Evolutionary constraints on RNA polymerase gene positioning in the genome of fast-growing bacteria. *Nucleic acids research*, 54(5).

Proenca AM, et al. (2025) A link between aging and persistence. *Antimicrobial agents and chemotherapy*, 69(4), e0131324.

Surbhi , et al. (2025) A starvation-triggered AAA+ ATPase halts chromosome replication progression by disassembling the bacterial DNA sliding clamp. *Current biology : CB*, 35(21), 5264.

Adhikashreni IS, et al. (2025) Live tracking of replisomes reveals nutrient-dependent regulation of replication elongation rates in *Caulobacter crescentus*. *Current biology : CB*, 35(8), 1816.

Cayron J, et al. (2024) TisB protein is the single molecular determinant underlying multiple downstream effects of ofloxacin in *Escherichia coli*. *Science advances*, 10(13), eadk1577.

Kandolo O, et al. (2023) *Acinetobacter* type VI secretion system comprises a non-canonical membrane complex. *PLoS pathogens*, 19(9), e1011687.

Oliveira Paiva AM, et al. (2019) The Bacterial Chromatin Protein HupA Can Remodel DNA and Associates with the Nucleoid in *Clostridium difficile*. *Journal of molecular biology*, 431(4), 653.