

## What is ImageJ Software and What Does It Do?

For a brief summary, see: <https://en.wikipedia.org/wiki/ImageJ>

For information from the U.S. National Institutes of Health (NIH), see: <https://imagej.nih.gov/ij/>.

For an introduction, click the “Documentation” tab and see “Introduction” for a description of the functions of Image J and see “Basic Concepts” for visual examples. There is information about “Installation,” an “ImageJ User Guide,” plus tutorials and examples. The User Guide is highly recommended as a place to start, it is downloadable as a PDF from the NIH website.

## Downloading & Using ImageJ

Download *ImageJ* free from [here](#). For Macs, download the “ImageJ 1.49 (6MB) as a double-clickable Mac OS X application.” For PC, download the “ImageJ 1.49 bundled with Java 1.6.0\_24 (37MB)”. Alternatively, from the lesson package electronic material, copy *ImageJ.app* for Macs or *ImageJ.exe* for PC. These and the downloaded files are stand-alone applications that can run from itself (i.e., no installation is needed).

## **★Important Operating Notes★**

\* It’s best to distribute the software and pictures through a shared network drive. This way, students will not need to download and unzip and program, which will take a long time.

**\*\* If IT security or available time prevent the use of the ImageJ program, the instructor could skip the ImageJ activity and either:**

- 1) Distribute the data in “Communal\_species\_morphometric\_S.yano.xlsx” for students to analyze. Or,
- 2) Print the pictures and use rulers to do the measurements.