Tutorial for using Grid_Ruler plugin

Prepared by Štěpán Helmer in Crop research Institute, Prague



Download ImageJ or FIJI

 The website for downloading FIJI to all OS: https://imagej.net/software/fiji/downloads

 The website for downloading ImageJ to all OS: https://imagej.net/ij/download.html

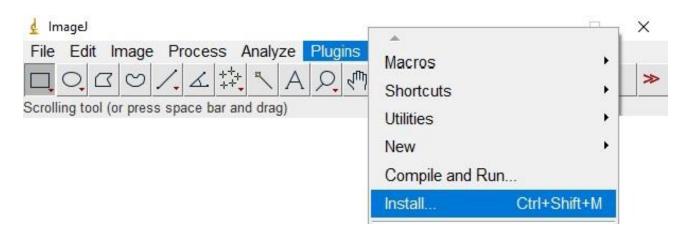
Download the plugin

 The link for downloading of plugin https://github.com/Stepikus/GridRuler/blob/main/Grid_Ruler.java



Installing plugin on ImageJ/FIJI

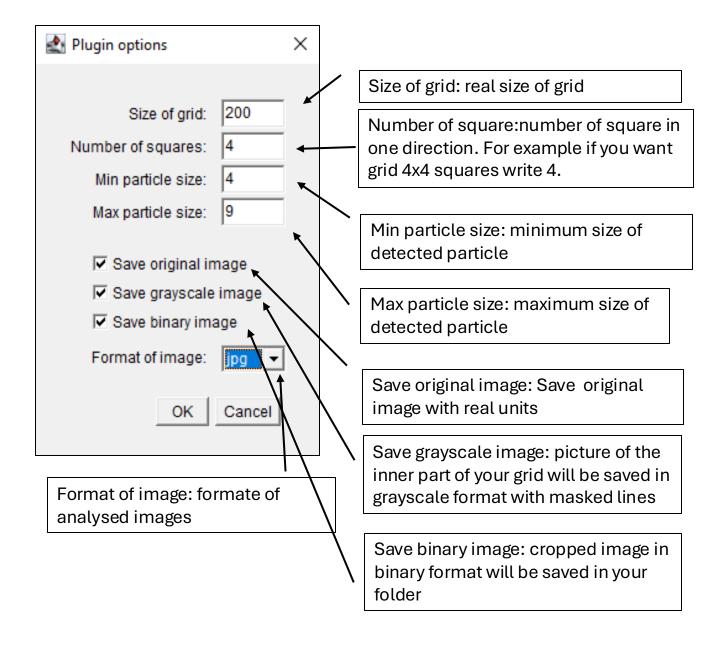
When you want to install plugin, just click on Plugins and press Install and find your downloaded plugin.





Plugin options

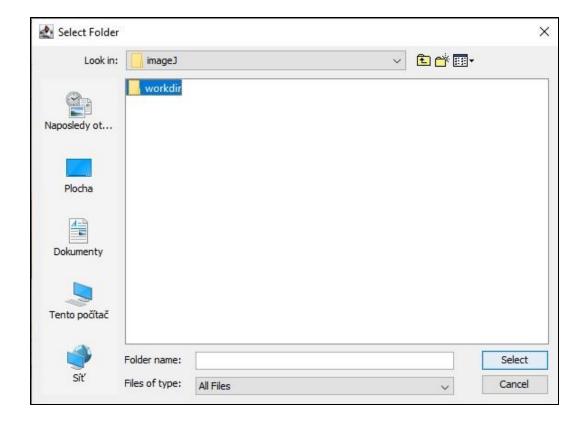
After instalation the dialog window will be open for specification of grid, searched particles and outpus





Choose directory

 After that you have to Choose the directory of your images and click on select



Outputs

- All output will be in the Result folder, which will be created in your images folder.
- **Tables-**output of your analysis will be two .csv files: Particles.csv with parametres of all particles of all images. Second is Count.csv with number of particles in individual images.
- **Images**-Another outputs can be original image, cropped picture of original image in grayscale and in binary form. All images are calibrated to real units according to grid.

