**Data Augmentation Steps**

1. Add the non-scientific names to the folders containing the plant images

2. Divide Data into Training and Validation

3. Package Images into a usable Dataset Format: <https://machinelearningmastery.com/how-to-load-large-datasets-from-directories-for-deep-learning-with-keras/>

3. Here are the steps to use image processing: <https://machinelearningmastery.com/image-augmentation-deep-learning-keras/>

4. Rotate images, change brightness, standardize sizes, flip across axis, shifts, save augmented files

**Understand the difference between keras .fit and .fit\_generator functions:** <https://www.geeksforgeeks.org/keras-fit-and-keras-fit_generator/>