

Veg-image preprocessing

```
train_datagen=ImageDataGenerator(rescale=1./255, zoom_range=0.2, horizontal_flip=True, vertical_flip=False)
```

```
test_datagen=ImageDataGenerator(rescale=1./255)
```

```
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

```
x_train=train_datagen.flow_from_directory('veg-dataset/v_train',  
                                         target_size=(128,128), batch_size=24, class_mode='categorical')  
x_test=test_datagen.flow_from_directory('veg-dataset/v_test',  
                                       target_size=(128,128), batch_size=24, class_mode='categorical')
```

Found 11386 images belonging to 9 classes.

Found 3416 images belonging to 9 classes.

```
x_train.class_indices
```

```
{'Pepper___Bacterial_spot': 0,  
 'Pepper___healthy': 1,  
 'Potato___Early_blight': 2,  
 'Potato___Late_blight': 3,  
 'Potato___healthy': 4,  
 'Tomato___Bacterial_spot': 5,  
 'Tomato___Late_blight': 6,  
 'Tomato___Leaf_Mold': 7,  
 'Tomato___Septoria_leaf_spot': 8}
```