# EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

**IMAGE PREPROCESSING**

# Importing the Image DataGenerator Library

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| **Date** | 05 November 2022 |
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| **Project Name** | Emerging Methods for Early Detection of  ForestFires |

## Importing The ImageDataGenerator Library

import keras

from keras.preprocessing.image import ImageDataGenerator

## Define the parameters/arguments for ImageDataGenerator class

train\_datagen=ImageDataGenerator(rescale=1./255,shear\_range=0.2, rotation\_range=180,zoom\_range=0.2, horizontal\_flip=True) test\_datagen=ImageDataGenerator(rescale=1./255)

## Applying ImageDataGenerator functionality to trainset

x\_train=train\_datagen.flow\_from\_directory(r'/content/drive/MyDrive/Dataset/train\_set', target\_size=(128,128),batch\_size=32, class\_mode='binary')

Found 436 images belonging to 2 classes.

## Applying ImageDataGenerator functionality to testset

x\_test=test\_datagen.flow\_from\_directory(r'/content/drive/MyDrive/Dataset/test\_set', target\_size=(128,128),batch\_size=32, class\_mode='binary')

Found 121 images belonging to 2 classes.