import cv2  
import matplotlib.pyplot as plt  
img = cv2.imread('coins.jpg', cv2.IMREAD\_GRAYSCALE)  
equalized\_img = cv2.equalizeHist(img)  
plt.figure(figsize=(10, 5))  
plt.subplot(1, 2, 1)  
plt.imshow(img, cmap='gray')  
plt.title('Original Image')  
plt.subplot(1, 2, 2)  
plt.imshow(equalized\_img, cmap='gray')  
plt.title('Equalized Image')  
plt.tight\_layout()  
plt.show()