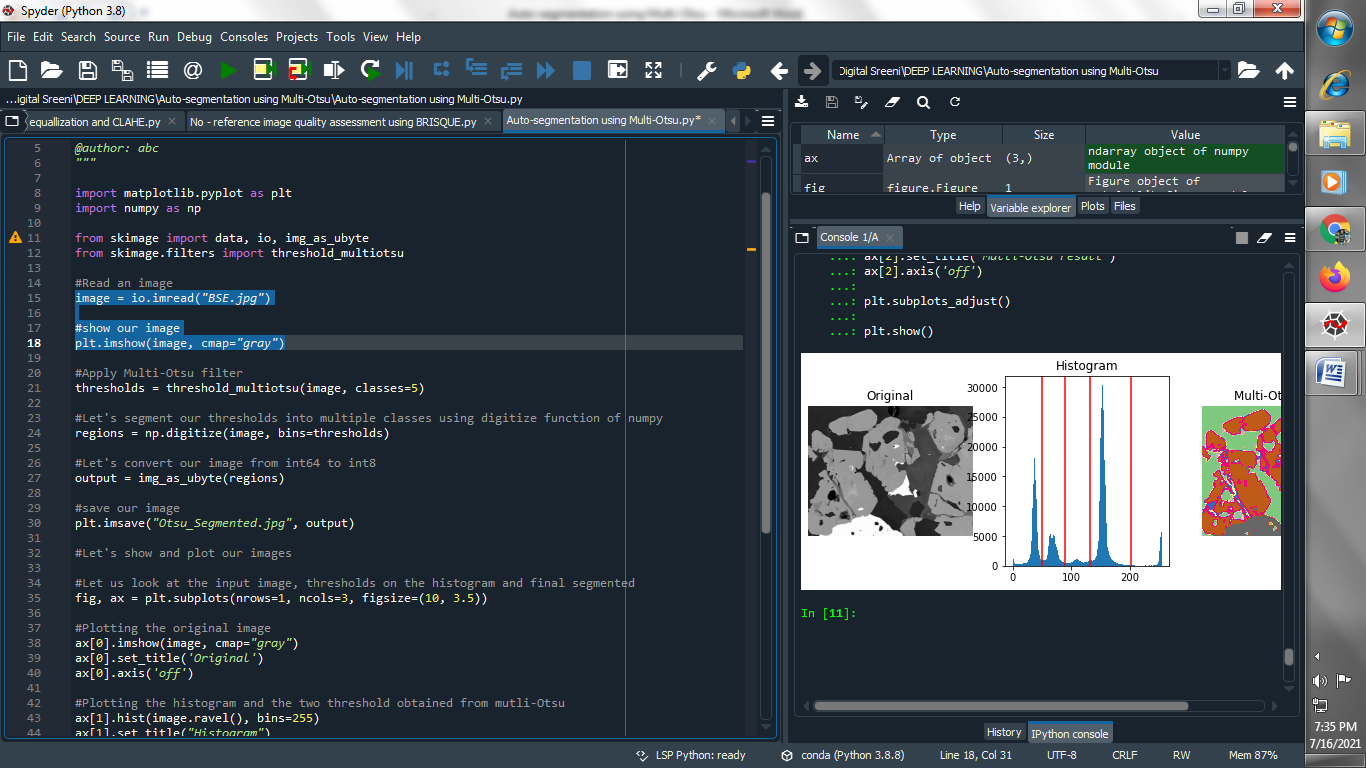
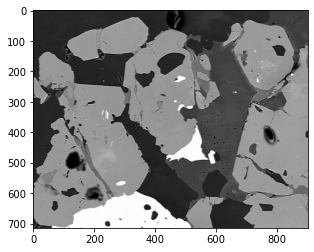
**→ Auto Segmentation using Multi-Otsu :**

The multi-Otsu threshold 1 is a **thresholding algorithm** that is used to separate the pixels of an input image into several different classes, each one obtained according to the intensity of the gray levels within the image. Multi-Otsu calculates several thresholds, determined by the number of desired classes.

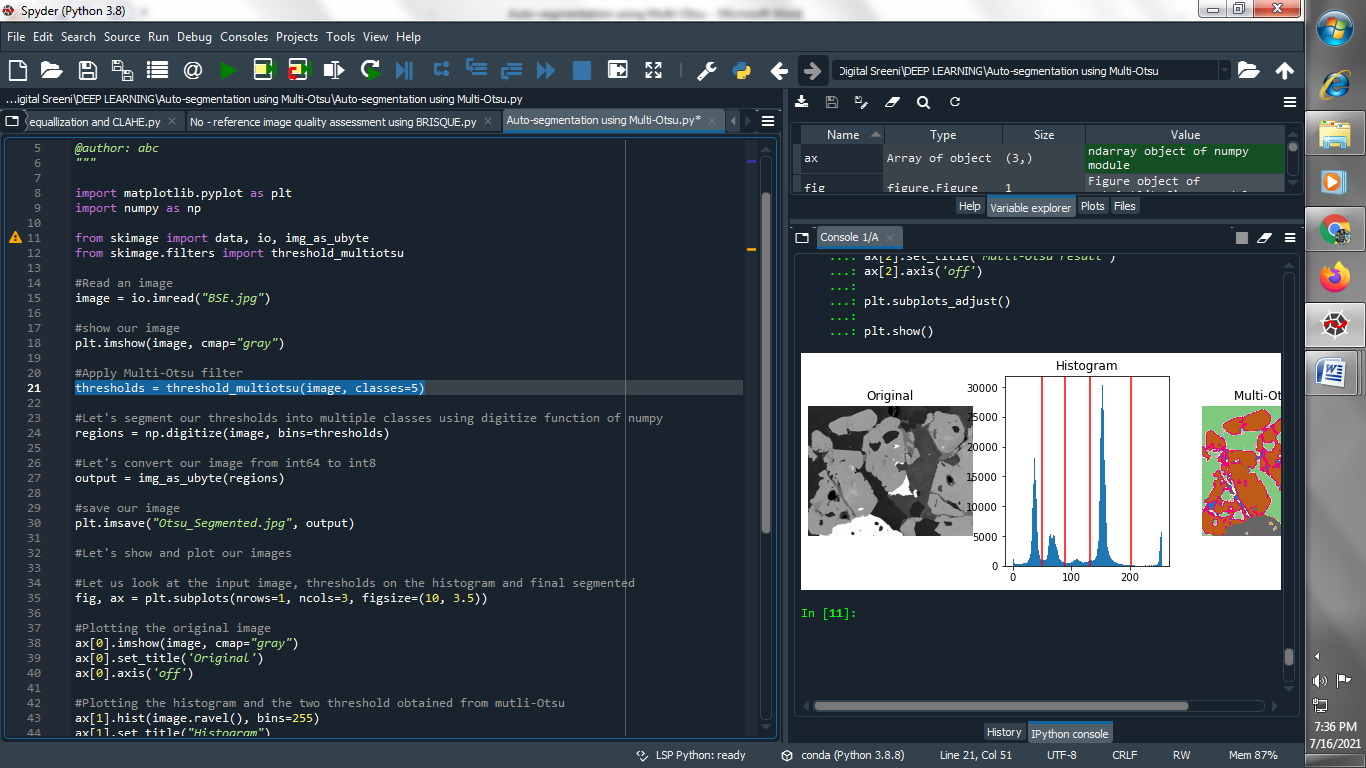
**(1) Read our image and show our image :**

****

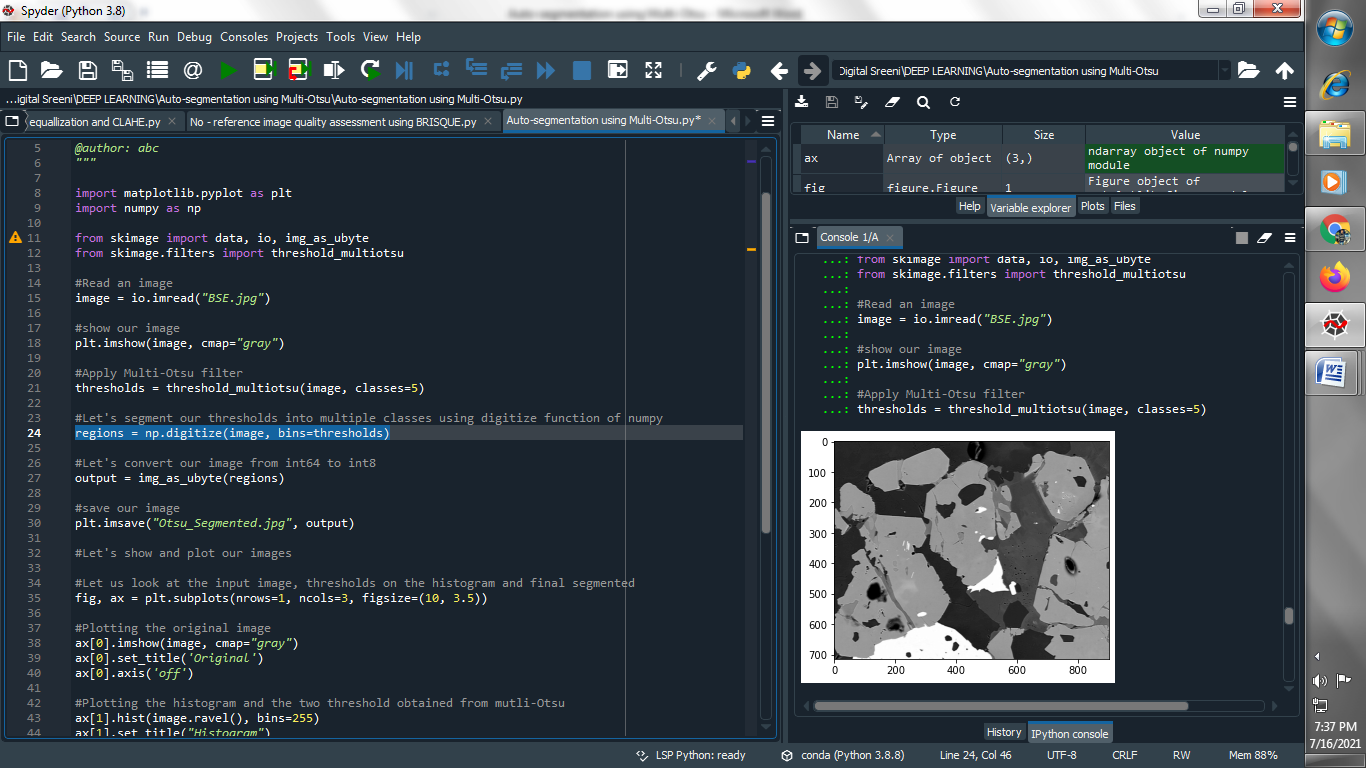
**Output :**

****

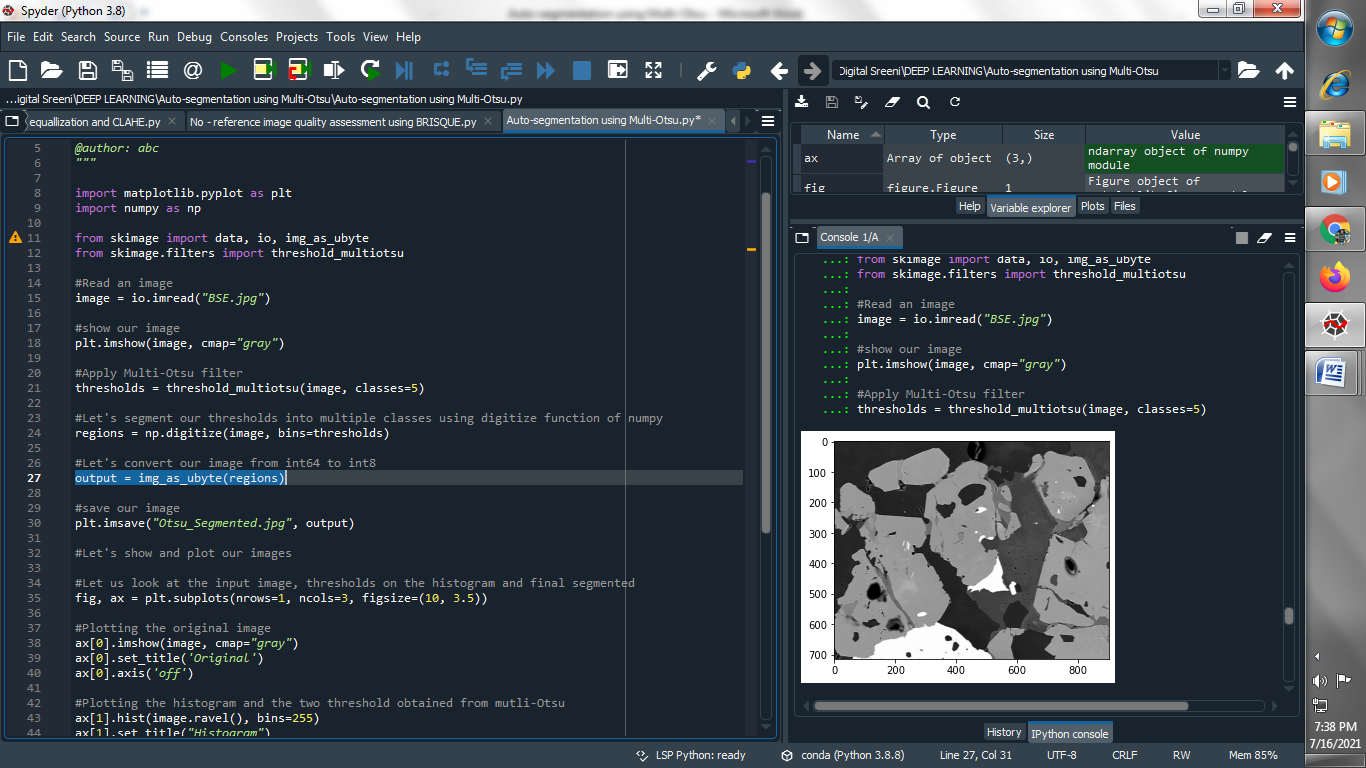
**(2) Apply Multi-Otsu filter :**

****

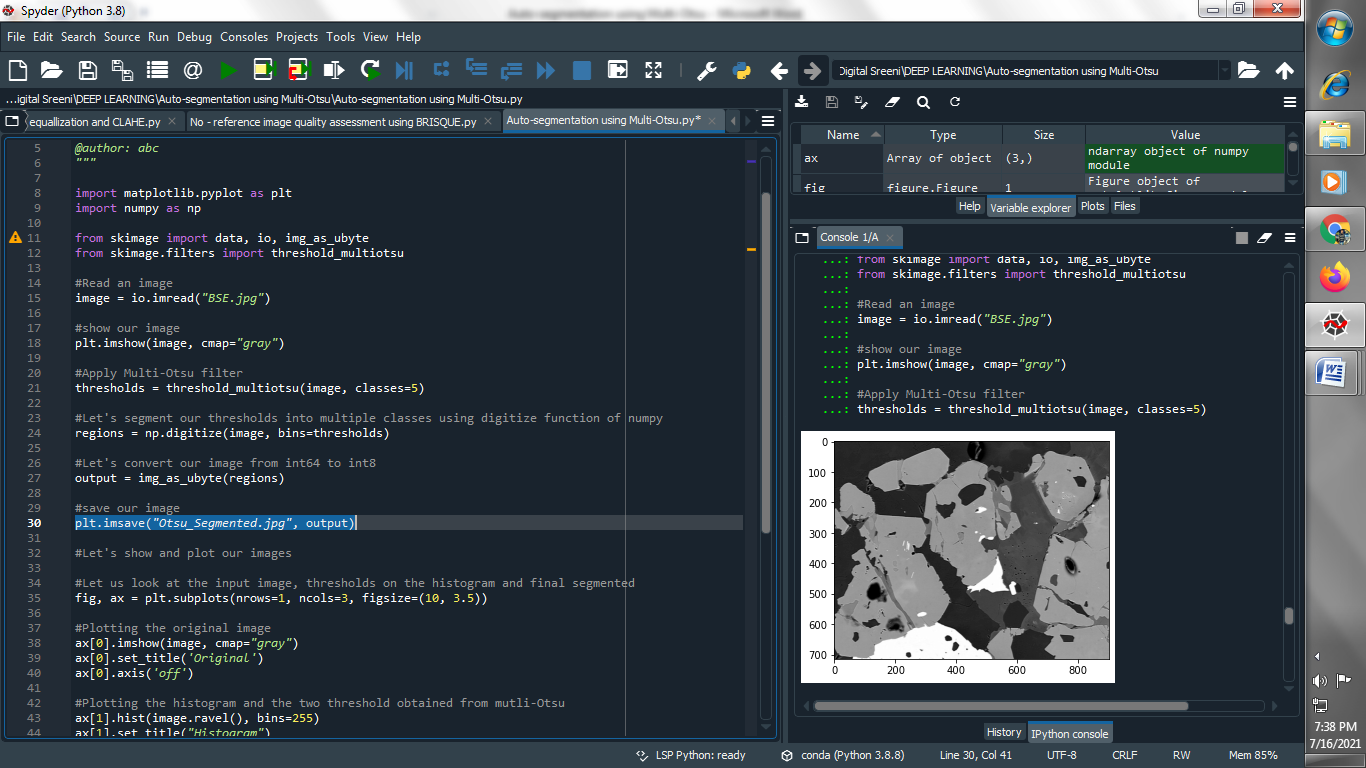
**(3) Let's segment our thresholds into multiple classes using digitize function of numpy :**

****

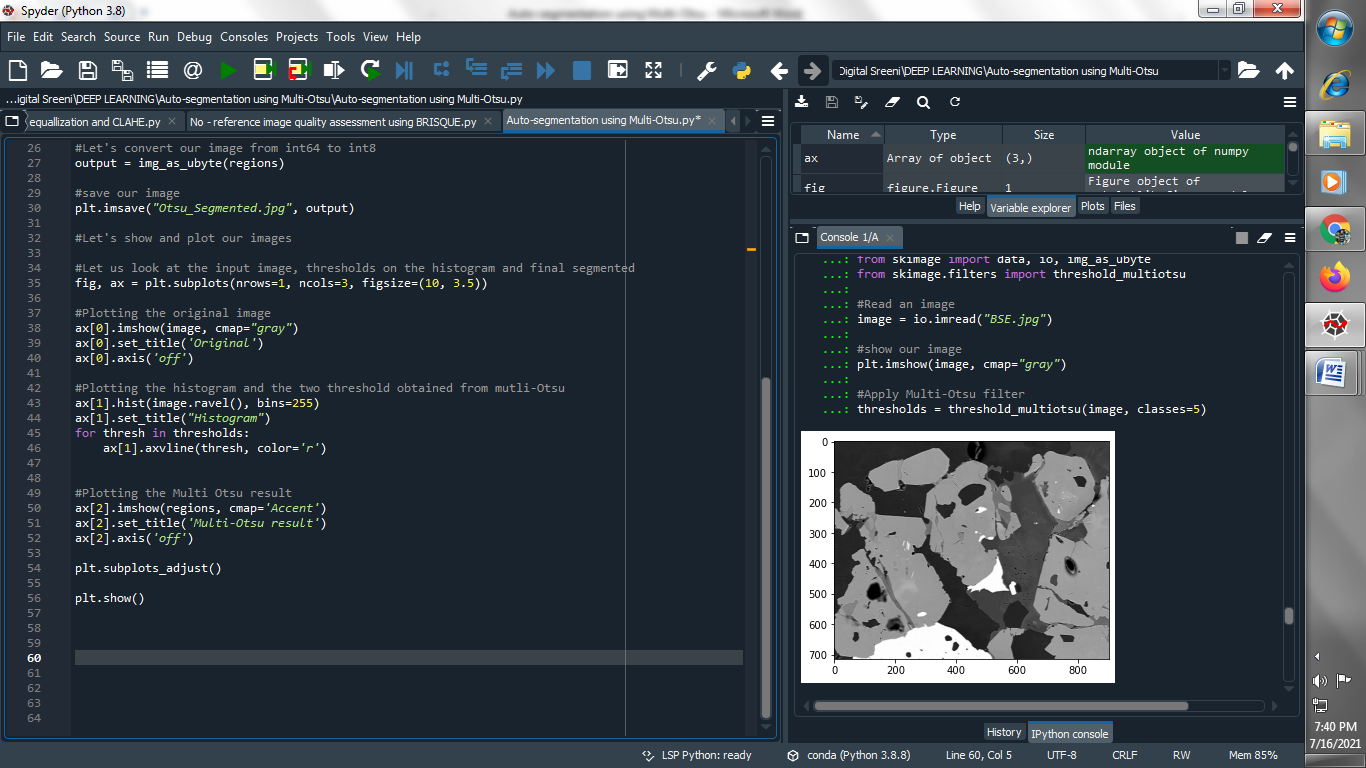
**(4) Let's convert our image from int64 to int8 :**

****

**(5) Save our image :**

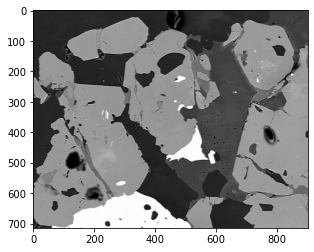
****

**(6) Let's show and plot our images and Let us look at the input image, thresholds on the histogram and final segmented :**

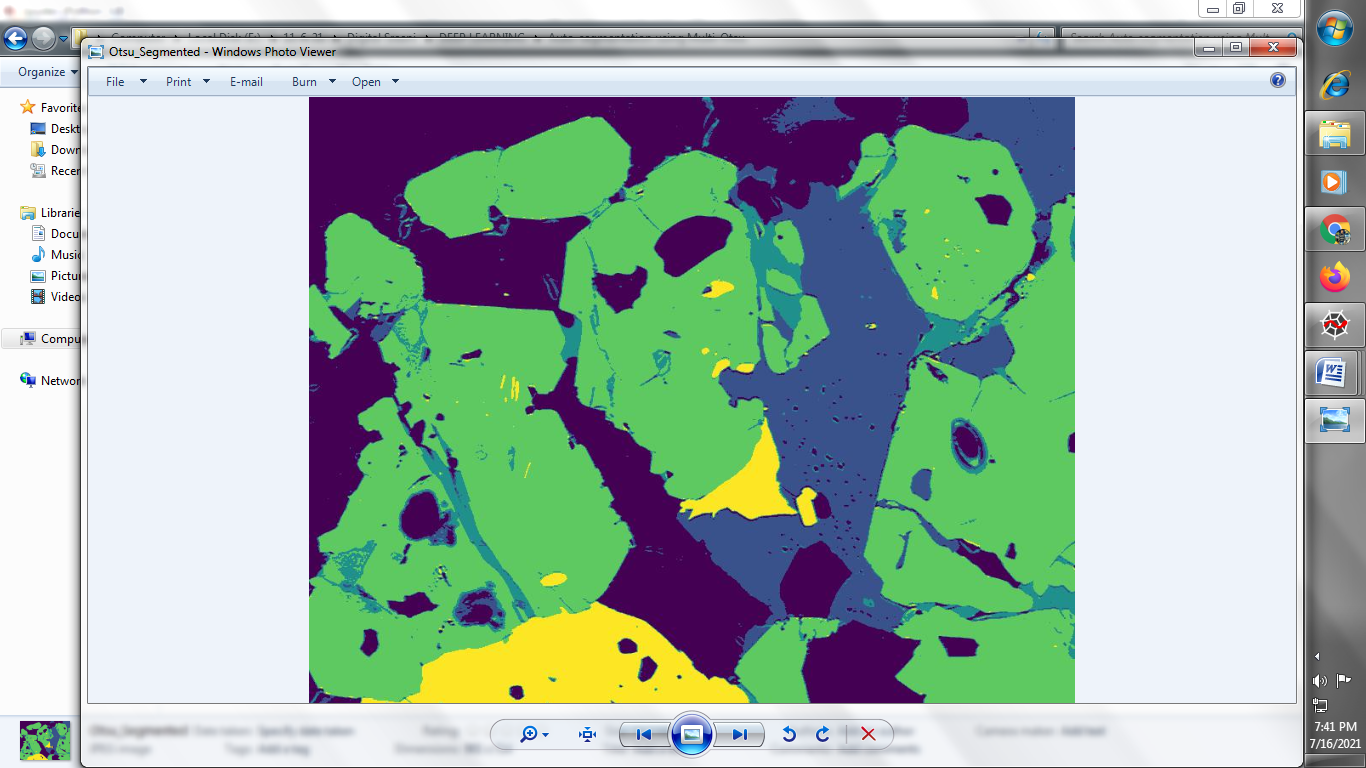
****

**Output :**

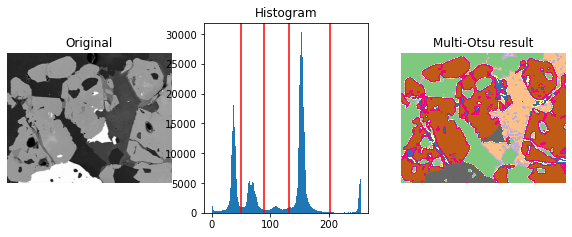
**Original image :**

****

**Otsu\_Segmented image :**

****

**Plot and histogram the image :**

****