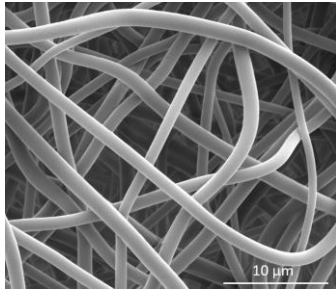


GIFT2

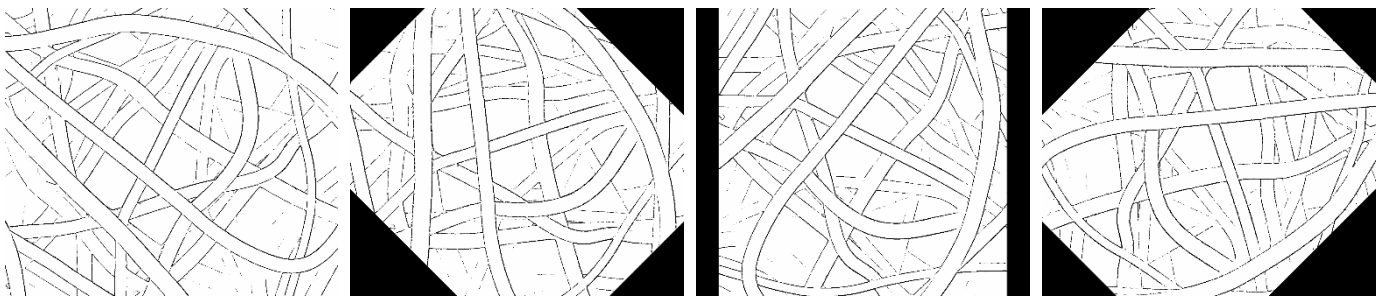
The General Image Fiber Tool **GIFT** is an ImageJ macro tool which allows the user to measure the average diameter of electrospun fibers in scanning electron microscopy (SEM) images, as explained in relating documents. During image processing, image corners can be cropped, which can lead to a loss of information.

GIFT2 is introduced here. During image processing, the matrix of the intermediate images is extended so that the entire images are processed uncropped. There is no loss of information. The image processing and use of the software are the same as for GIFT.

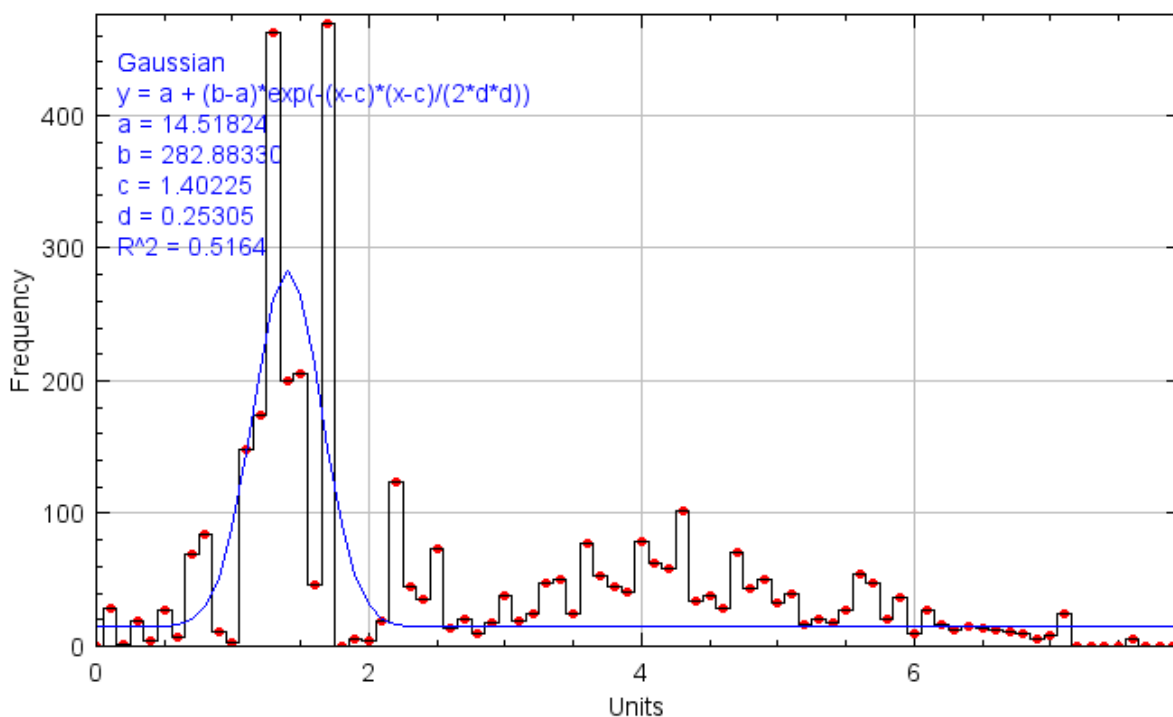
A representative example illustrates the difference between GIFT and GIFT2, e.g. for angular steps of 45 degrees.



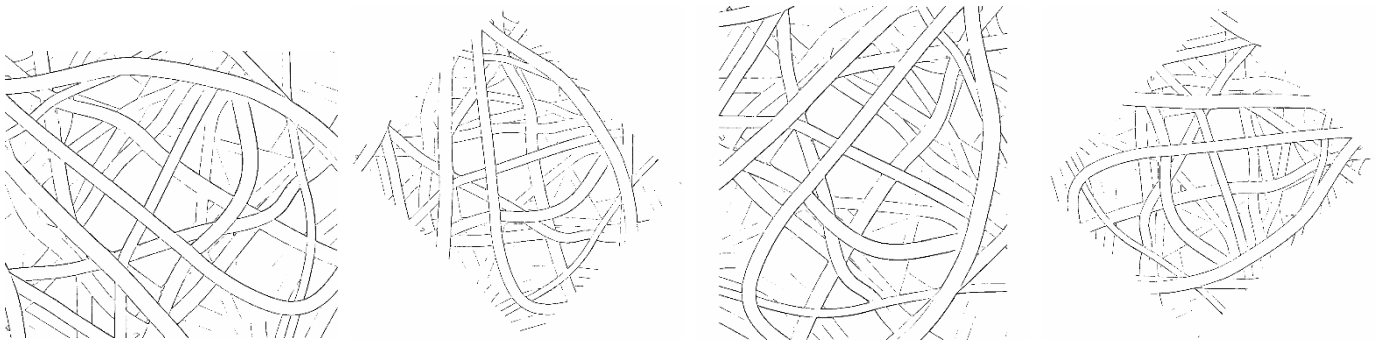
Intermediate images of GIFT:



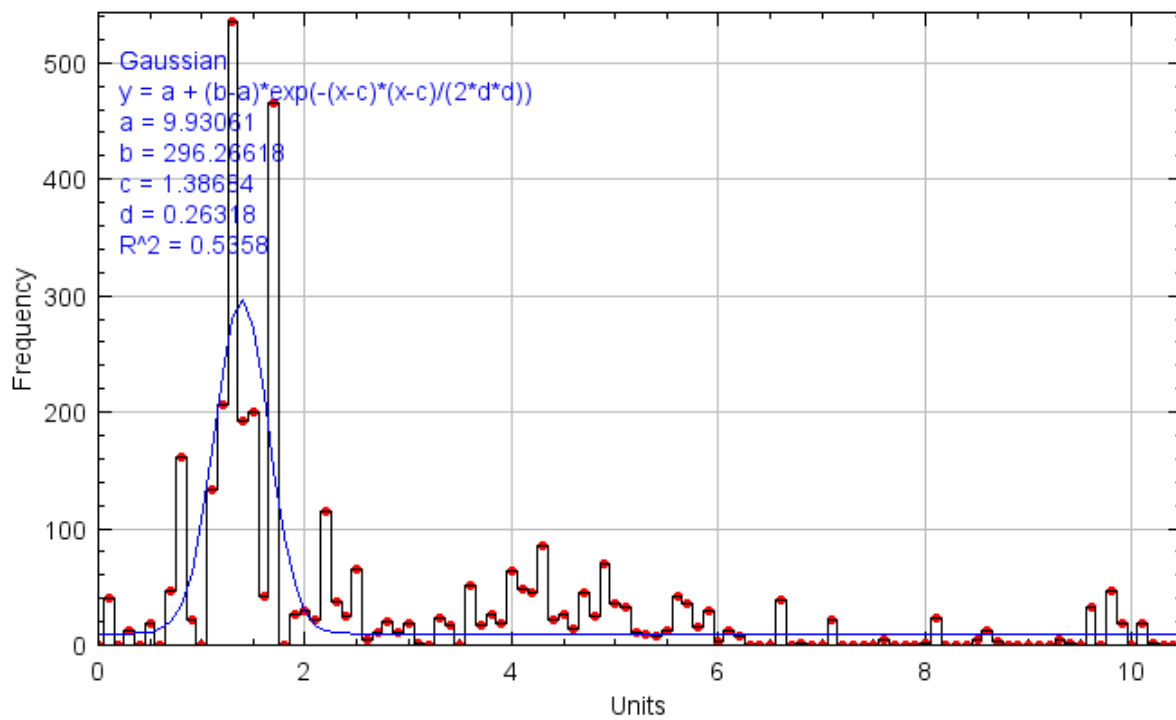
Result of GIFT:



Intermediate images of GIFT2:



Result of GIFT2:



04.11.2024