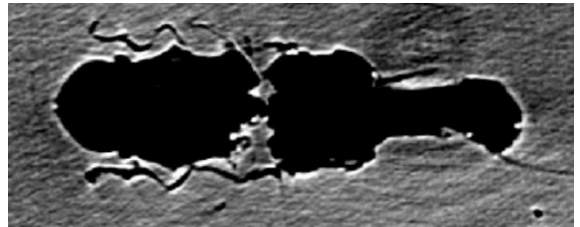
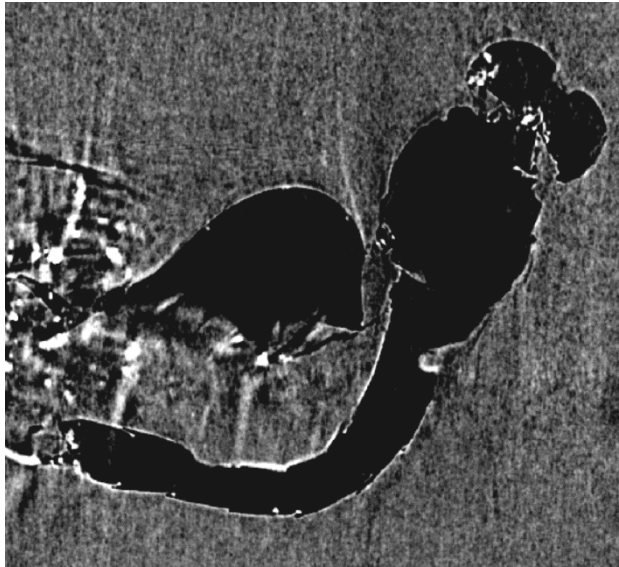


DETAILED PROCESS TO OBTAIN THE SURFACE OF THE MAYFLY IN AMBER FOSSIL

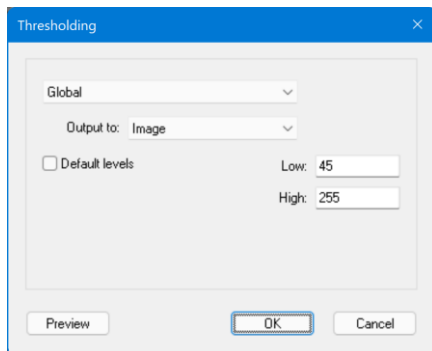
Prof. Javier Alba-Tercedor. Univ. of Granada. Spain. jalba@ugr.es

A.- After the reconstruction (with the software NRecon), the insect body appears to be empty.

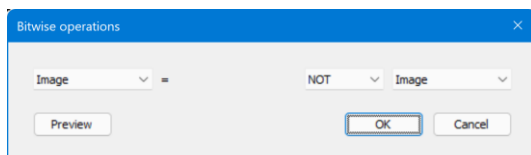


B.- By a sequential use of different plugins within the software CTAnaliser (CTAn) it can be obtained clean cross-section images suitable to produce reasonably good volume rendered images:

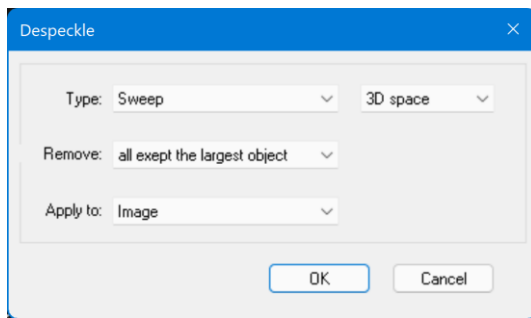
1.- Thresholding



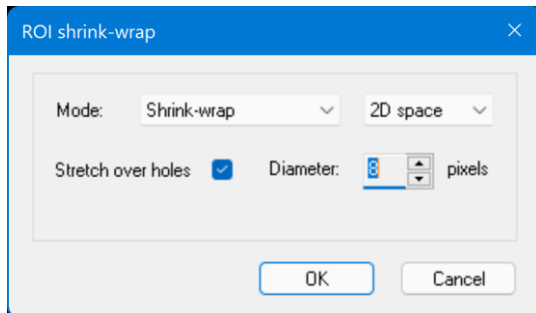
2.- Bitwise operations



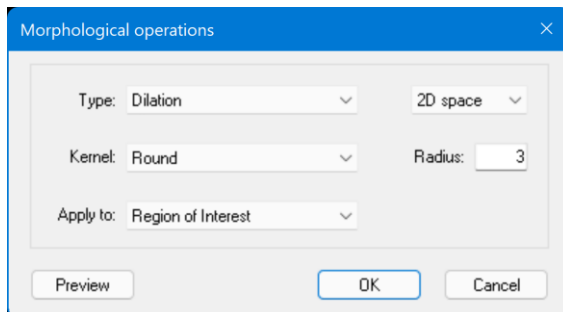
3.- Despeckle (Sweep):



4.- ROI shrink-wrap

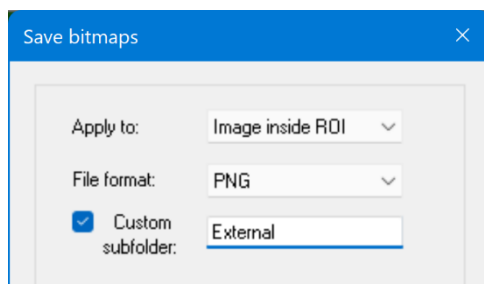


6.- Morphological operations (Dilation 2D space):



8.- Reload image

9.- Save bitmaps(image inside ROI):



10.- Upload images to a rendering software (i.e.: Amira/CTVox) for visualisation.