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**METHODOLOGY FOR THE USE OF  
SOFTWARE FOR THE ANALYSIS OF  
DIGITAL MICROGRAPHS ON THE BASE  
OF PATHOMORPHOLOGY COURSE IN  
ORDER TO INCREASE THE  
PROFESSIONAL LEVEL OF STUDENTS  
AND SCIENTISTS**

**ABSTRACT.** The article is devoted to the methodology of the use of software for the analysis of digital micrographs in pathomorphology on the example of calculation of the index of proliferation by immunohistochemical staining of samples with different plug-ins of "ImageJ". The purpose is to familiarize medical students, post-graduate students and researchers with modern computer technologies to enhance their professional level.

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Fig.1. *ImageJ* software interface.

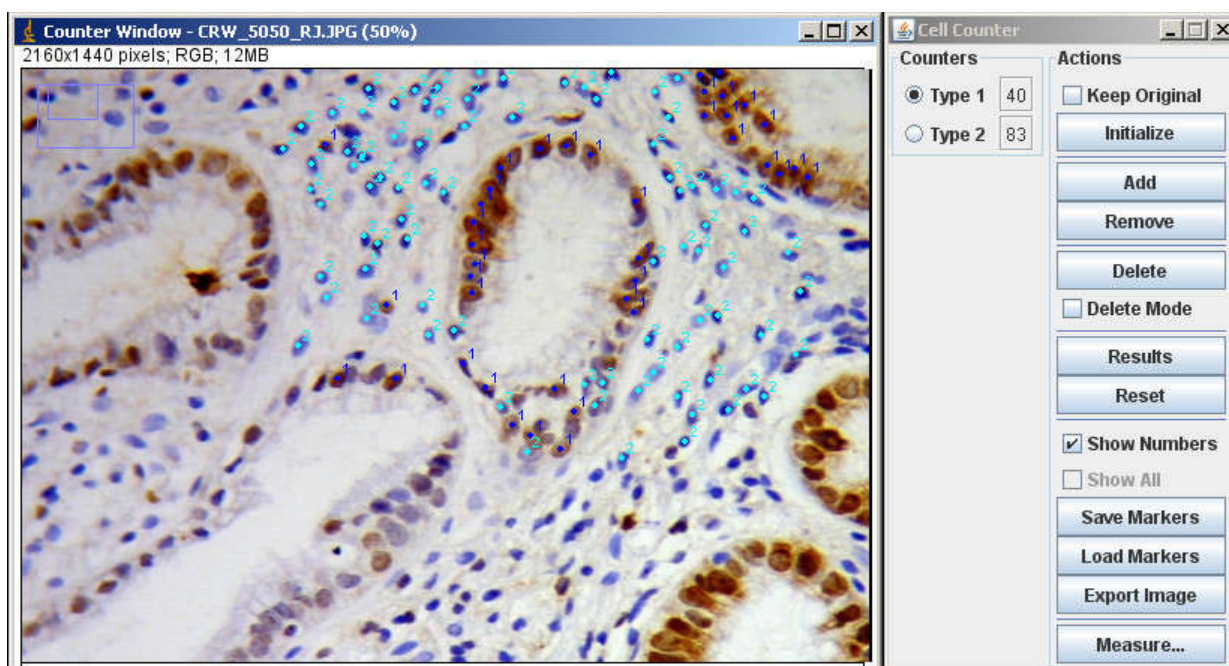


Fig. 2. Use of *Cell Counter* plug-in.

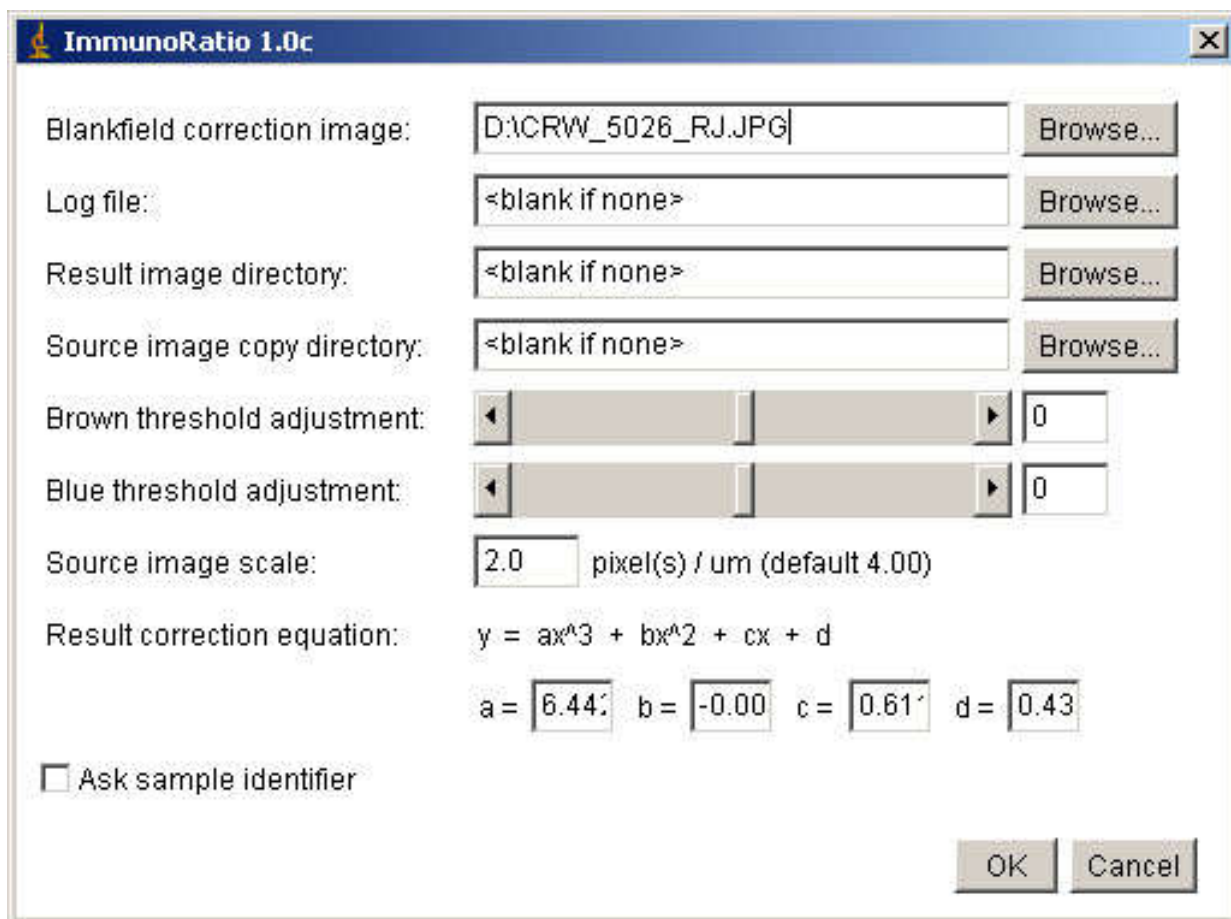


Fig. 3. Settings of *ImmunoRatio* plug-in.

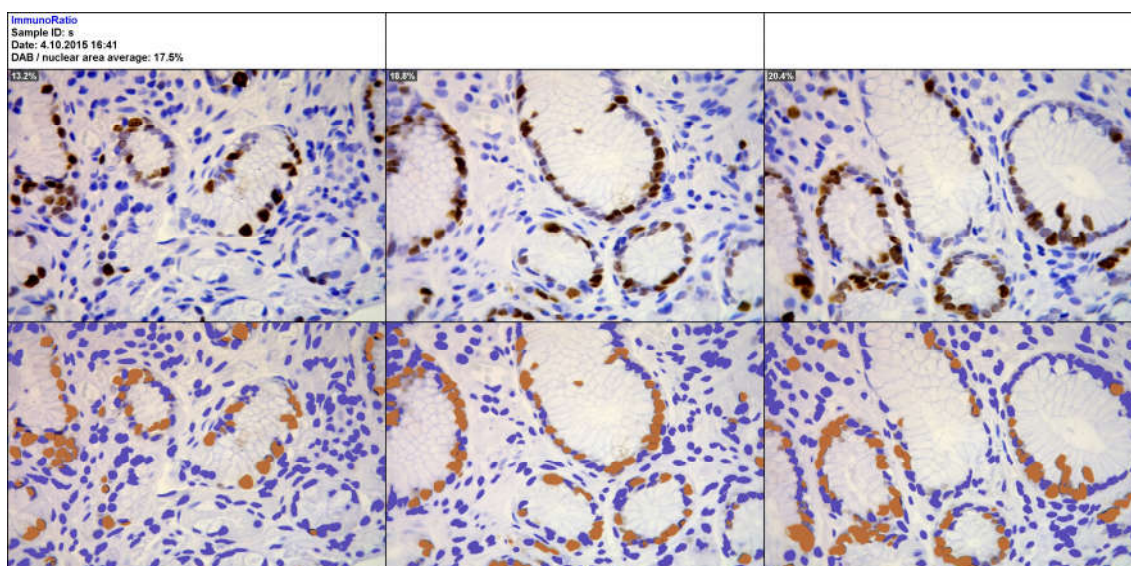


Fig. 4. Results of the image analysis with *ImmunoRatio* plug-in.

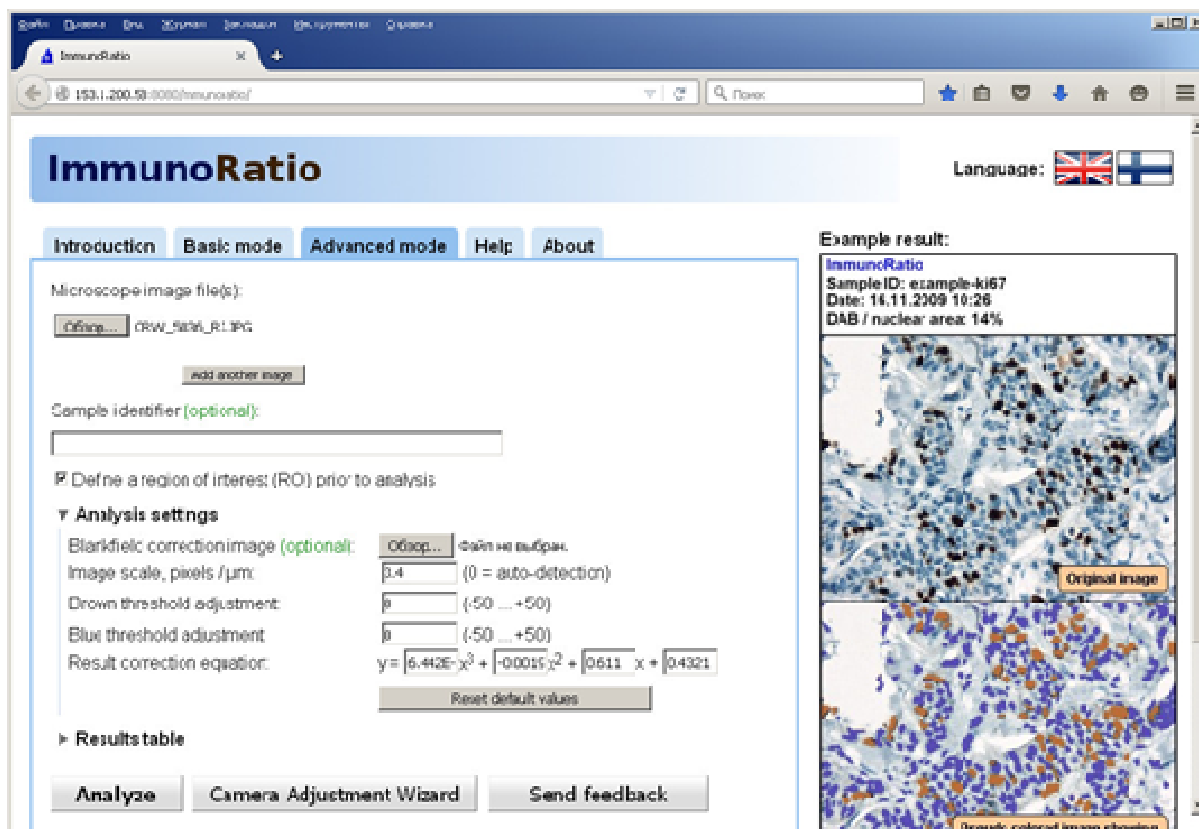


Fig. 5. Online service developed on the base of *ImmunoRatio* plug-in.

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