**The major points of extension**

1. In the new paper we added 1 additional section dedicated to an investigated object (Kyathos). This chapter describes in more detail the origin of the artifact and its features.
2. Besides that, the first measurement with the Kyathos [IMEKO proceedings] hadn’t shown satisfactory results for copper and arsenic. It was decided to repeat the measurement but take into account archeological object and neutron flux features. New, more accurate results have been obtained by NRCA (Table 1).
3. Additional measurements have been carried out by X-ray fluorescence (XRF) on 4 points of archeological object by means portable spectrometer 5i Tracer (Table 2).
4. All these investigations allowed obtaining new information about the origin of artifact.