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*“Origin and role of non-skeletal carbonate in coralligenous build-ups: new geobiological perspectives in the biomineralization processes”*

**Biogeosciences**

**Associate editor decision: Publish subject to technical corrections**

The authors addressed all the suggestions received. The manuscript can now be accepted for publication in BG, although its publication is subject to technical revisions. In particular, the authors need to provide additional information about the standard used for EDS analysis and the software used for data collection.

We are grateful to the Associate Editor Chiara Borrelli for the positive evaluation of the revised version of the paper.

The methodology about the SEM/EDS analyses was amended with the required information as follow (lines 146-152):

Selected fragments, used for Scanning Electron Microscopy (SEM) observations and Energy Dispersive X-ray Spectroscopy (EDS) microanalysis, were carbon coated. The SEM apparatus was used is Ultra High Resolution (UHR-SEM) – ZEISS CrossBeam 350. The working condition were: resolution 123 eV, high voltage 10 keV, probe current 100 pA and working distance 11 mm. Mineralogical and chemical compositions were investigated with an EDAX OCTANE Elite Plus - Silicon drift type - Si<sub>3</sub>N<sub>4</sub> Window apparatus under high voltage 15 keV, probe current 60 mm, working distance 12 mm, take-off angle 40°, and live time 30 sec. The standardless quantitative analysis were checked on SPI #02757-AB serial 4AK standard and were collected through the software AMETEK Apex Suite V2.