

# The stone landscape of the Hyblaean Mountains: the geometry, structure, shape and nature of the *muragghio*.

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**Abstract** Among the rural artefacts of the Iblean plateau there are still today constructions belonging to vernacular tradition. They are made of dried and assembled with megalithic method and represent the history and the rural culture of Southern East Sicily.

The *muragghio* has got a truncated cone shape. The construction is enveloped by helicoidal ramps which reach the top of the viewpoint from which it is possible to admire landscape.

The interior is covered by a dome built in stone without mortar, showing great constructive skills. This is a dome hidden from the outside and it rises by concentric circles of overlapping stones.

The aim of this interdisciplinarity study carried out by Drawing and Architectural Technique researchers, through survey, geometric analysis and the study of constructive techniques, is to investigate the relation which exists in the *muragghi* through geometry/construction/shape and the nature of the places, in the Iblei's stone landscape.

**Keywords** laser scanning, geometry, building techniques

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