

University of Alexandria
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Archaeology Branch Graeco-Roman



**Applying Digital Documentation, Conservation and
Visualization Methods for Cultural Heritage Management
(Anfoushy Necropolis in Alexandria: A Study Case)**

**Dissertation submitted in Partial fulfillment of the requirements
for the Degree of Doctor of Philosophy**

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ABSTRACT

The Anfoushy Necropolis is a tangible cultural heritage (CH) site that demonstrates the dynamic interaction between the Greek and Egyptian burial traditions of Alexandria during the Graeco-Roman period. The dissertation investigates the archaeological significance of the site as well as the art-historical features portrayed in the architectural style and funerary paintings. Given that Anfoushy Necropolis is subject to numerous destructive factors. As a result, the study investigates, analyses, and assesses risks as well as the vulnerability of the Anfoushy necropolis in order to recommend retrofitting procedures that were proposed within a comprehensive site management plan based on the guidelines and recommendations of intentional entities concerned with CH preservation and conservation, such as ICOMOS, ICCROM, and UNESCO. Using an interdisciplinary approach that includes quantitative and qualitative methodologies, this dissertation investigates the linkages between CH and technology that comprise a substantial amount of the literature within it. The dissertation's principal purpose is to develop a comprehensive site management plan that is viewed as a priority-based intervention. Furthermore, using examples of digital documentation and preservation, as well as a virtual reconstruction of the Anfoushy necropolis, to highlight the archaeological importance of this CH site and offer historical interpretation through the use of storytelling to improve the presentation of the site, and thus provide sustainable dissemination of this CH site.

Keywords: Anfoushy Necropolis – Culture Heritage(CH) - Greeks and Egyptians architecture motives and funerary paintings- Funerary Beliefs – Vulnerability - Documentation and Conservation - Site Management - Interpretation-Digitalization - Visualization