



ABSTRACT SUBMISSION

Re-examination of Iranian lusterwares

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Abstract

Iranian lusterwares span a period from the early to late Islamic eras, the research investigate only samples from early and middle Islamic period. Many of these ceramics were excavated in the early twentieth century and have remained in storage for far too long, with some excavation reports lost over time. This study begins with examining available bibliographic sources, followed by the creation of high-resolution photographic documentation.

The photographic images were processed using a deep learning model, designed to train the model with a usable dataset and enhance provenance identification. After training the model on lusterware from known geographic origins, it can recognize pieces associated with specific cities, ultimately aiding in the identification of pottery with uncertain provenance.

The study aims to accurately place approximately 800 pieces of lusterware, including both intact forms and fragments, within their historical and geographic contexts.

Hopefully, it will be possible to demonstrate the real number and the geographic location of Iranian lusterware production centers. The real provenience of early Islamic lusterware founds in Iran is that is imported from abroad or only local production.

Keywords

Islamic archaeology , lusterware, deep learning , pottery distribution , material culture

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