



Abstract

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Titel of thesis : Study causes of surface disintegration of rock art and graffiti in Arab Peninsula, methods of restoration and suggested preventive conservation procedures with application on chosen models .

The research contains an archaeological study for the rock inscriptions and graffiti which were known in the Arabian Peninsula and geological study through different periods. also studying deterioration factors and damage phenomenon that threaten graffiti and rock inscriptions in the Arab Peninsula, the methods of diagnosis and analysis used in the study of inscriptions and graffiti to know the components or the compounds of such inscriptions using X-ray diffraction, SEM, to find out elements, , studying by polarizing microscope and study of fungus growth per different work sites, an experimental study by different polymers used as consolidation materials such as Paraloid B72, OH100, BS290, providing with their data and using those to consolidate samples of sandstone have many inscriptions and carved to choose the best one in consolidation, a study of restoration and preventive maintenance methods of rock inscriptions starting with the pre-restoration using the mechanical and chemical cleaning with finalized by the mechanical and chemical consolidation and sites management and preventive conservation procedures .