

Conservation Methodology for A Mosque Glass Lamp”MESHKAH” Damaged By Explosion Accident in The Vicinity of The Museum of Islamic Art in Cairo: A Case Study

Mohammad H. MOGHAZY, Nagwa S. Abd Al-RAHIM, Rasha T. HAMAD, Hamdy Abd Al-MONEAM

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The Museum of Islamic Art in Cairo includes a many and special collection of Mosque glass lamps, and on January 24, 2014, an explosion occurred in the building of the Cairo Security

Directorate, opposite the Museum of Islamic Art building, which damaged many of Mosque glass lamps in the museum display, some of which were completely broken and others were broken in While some of them survived the accident unscathed.

The difference in the state of damage to Mosque glass lamps displayed is due to the participation of another human damage factor represented in the negatives of the museum display, as most of Mosque glass lamps damaged by the accident are displayed in a display cabinet topped by a huge metal object that fell due to the explosion over Mosque glass lamps.

The intact Mosque glass lamps that survived the explosion, as well as the partially damaged ones, were not in a safe position after the accident, so they had to be moved to a safe place and packed. The explosion also resulted in mixing the archaeological glass pieces with other non-archaeological broken glass that belonged to of glass display cabinet, and museum windows.

The research aims to identify the stages of saving and conservation Mosque glass lamps damaged by the explosion accident that befell the museum. It also aims to study the composition of the material of the object, and the method of its manufacture and decoration. It is worth noting that many of the objects affected by the accident are important and special and deserve to be studied separately.

The stages of work are represented in the stage of rescuing the partially damaged Mosque glass lamp from the accident by transporting it to a safe place, packing it and transferring it to the restoration lab, and then the stages of conservation [documentation - examinations and analyzes (USB Digital Microscope - scanning electron microscope with an X-ray scattering unit SEM , EDX - X-ray fluorescence (XRF) - assembly stage - completion stage).