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Degree: Master

Specialization: Restoration and Conservation

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Title of Thesis: Study of the Effect of Oil Media and Binders on the Deterioration of the Oil Paintings and Methods of Treatment and Conservation Applied on a Chosen Example.

Summary: The First chapter studied the various common oils used as mediums in oil paintings, The study deals with the history of oil painting mediums, the different types of oils used in oil painting, how to classify them, and the scientific basis for these classifications, Chapter one also discusses the history of each oil type, its scientific and family name, its extraction process, its physical properties, and its chemical composition. The difference in the chemical composition of drying oils used in oil painting has been mentioned as well. Chapter Two Studied The Interactive Relationship between Binders and Ground Layers, this chapter studies the significant types of glue, its manufacture process, its main properties, the advantages and disadvantages of each type, and the relationship between each binder and the fillers, This study also includes a section on the sizing coat, Isolation Layer, The study also identifies the Imprimatura layer, Chapter Three Studied the Impact of Oil mediums and Binders on the Deterioration of the Components of Oil Paintings and the resultant damage forms and proper treatment methods, Chapter Four, studied First Case Study; Oil Painting on Paper-Based Support, Chapter Five studied Second Case Study Oil Painting on Canvas-Based Support.