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Experimenting with chemical treatments to develop printing media to enrich the plastic printing with Blue Print

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Education

Specialty (Textile Printing)

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Summary of research

Research topic : "Experimenting with chemical treatments to develop printing media to enrich the plastic printing with Blue Print"

The research is subjected to experimentation through designs inspired by the aesthetics of the elements of nature and the human face, to the paintings rich in plastic and aesthetic values based on experimentation with chemical treatments in order to achieve printing work using blue printing technology and research divided into five chapters distributed as follows:

Chapter One: "Research topic"

This chapter includes research background, research problem, research objectives, importance of research, research hypotheses, research limits and research methodology through the theoretical and practical framework, and includes terminology as well as related studies..

Chapter Two: "Blue Printing"

The chapter deals with the technique of printing blue textiles as a typographic and printing technique, identifying its historical origins and origins, the developments in the printing process, how to apply them in the printing of

handmade textiles, its relation to ultraviolet radiation, and accurate analysis of what happens during printing in direct sunlight, And the Nilea plant according to the color produced by the printing technology, The chapter also dealt with the various names besides the name of the blue printing, iron salts printing, alternative photography, plant printing, The use of artists Foreign artists and Arabs in their use of blue print publications
blue print and chapter summaries.

Chapter three:" Blue print technical capabilities and chemicals used"

The chapter deals with the steps of the research and iron salts, The percentages of compound solutions and the chemicals used in the formation of the compound solution, These materials include ammonium citrate and potassium permanganate and how to weight the chemicals, the tools used, the raw materials used, the type of water used in the compound solution, In the reaction to the production of the complex solution, as well as the methods of preparing the solution complex sensitive to direct sunlight in addition to the methods of preparation of fabric fabric solution

complex and clarify the technical potential of the blue print and the summary of Pray.

Chapter Four : "Experimentation with chemical treatments"

The chapter deals with experimentation steps starting from the design selection stage, Through the use of photo shop program reversing the negative design used and how to print the negative design on the transparent paper or the thermal stencil. The chapter also examined experimentation through the diversity of printing surfaces and the effect of the difference of the time of exposure of the cloth to direct sunlight, And the color gradients produced by the method of bleaching as well as the possibility of experimentation by changing the materials used in the composition of the complex solution and the impact of experimentation with chemical treatments used on printed fabrics and Some prohibitions to be observed and the advantages of blue printing technology and the conclusion of separation.

Chapter Five: "Search applications"

The chapter deals with the experimental experience of the researcher as well as the experimental controls and technical treatments for applications, presenting the researcher's self-applications and describing the works technically, as well as containing the recommendations reached by the researcher and the results and discusses the references on which the research is based and contains the summary and abstract of the research in Arabic and also in English.