

## **Merging of techniques, the design on the dress stand and forming metal wires to enrich the evening wear**

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### **Summary**

The material is one of the most important sources of inspiration for the designer on the dress stand, the material has the ability to make the design distinguished by creativity and be magically shaped around its wearer, the artist may resort to using unusual materials and turn them into wonderful things, and it is very important that the fashion designer can deal with the various materials created from them and even strange traditional ones.

Metal wire is considered a form of mineral ore used in many different manufacturing fields and environmental crafts, and it is one of the expressive materials used in the field of art in general and the field of metal works in particular, where the rhythm and its aesthetic values are considered the primary axis through which the formation of mineral wires begins.

Metal wires are a form of mineral ores that have their nature in terms of shape and type that nature determines for us the appropriate technique for forming them according to the specific function for which they are used to enrich evening wear.

### **key words:**

design on the dress stand- forming metal wires - the evening wear

### **Research problem:**

Innovative thinking plays an important role in design on the dress stand, so the designer cannot reach creativity unless he/she is innovative in the end, to obtain fashion that has originality that no other thinking has reached, and the design process depends on the designer's ability to innovate because he exploits his culture, imaginative abilities and skills in creating a work characterized by novelty, because the designs of the formation on the dress stand are an innovative work that leads to achieving the purpose or job for which it was put.

And the innovative designer is looking for new sources to create designs that are unique and distinguished, so interest in this research has been to combine between techniques of metal wire forming and design on the dress stand to enrich evening wear.

### **Research aims:**

- 1- Using metal wire forming techniques to enrich the decorative design of evening wear.
- 2- The combination of design techniques on the dress stand and machining with metal wires to enrich the designs of evening wear.

3- The possibility of competition in the field of designing evening wear.

**Research importance:**

- 1- Access to designs for evening wear characterized by creativity.
- 2- Merging between different techniques in the field of design on the dress stand.
- 3- The possibility of competition in the field of design.

**Research hypotheses:**

- 1- There are statistically significant differences at the level of significance 0.01 among the opinions of the sample members in the appropriateness of the structural and decorative design for evening wear.
- 2- There are statistically significant differences at the level of significance 0.01 among the opinions of the sample members in the suitability of the thickness of the metal wires used for the possibilities of forming them on evening wear designs.
- 3- There are statistically significant differences at the level of significance 0.01 among the opinions of the sample individuals in the suitability of incorporating techniques of metal wire formation and design on the dress stand to enrich evening wear.
- 4- There are statistically significant differences at the level of significance 0.01 among the opinions of the sample members regarding the quality of the proposed designs and the possibility of competition in the field of evening wear.

**Search limits:**

Evening wear - metallic wires to make a decorative design using the techniques of twisting or bending.

**Research Methodology:**

The research follows the descriptive analytical approach with the applied study.

**Search tools:**

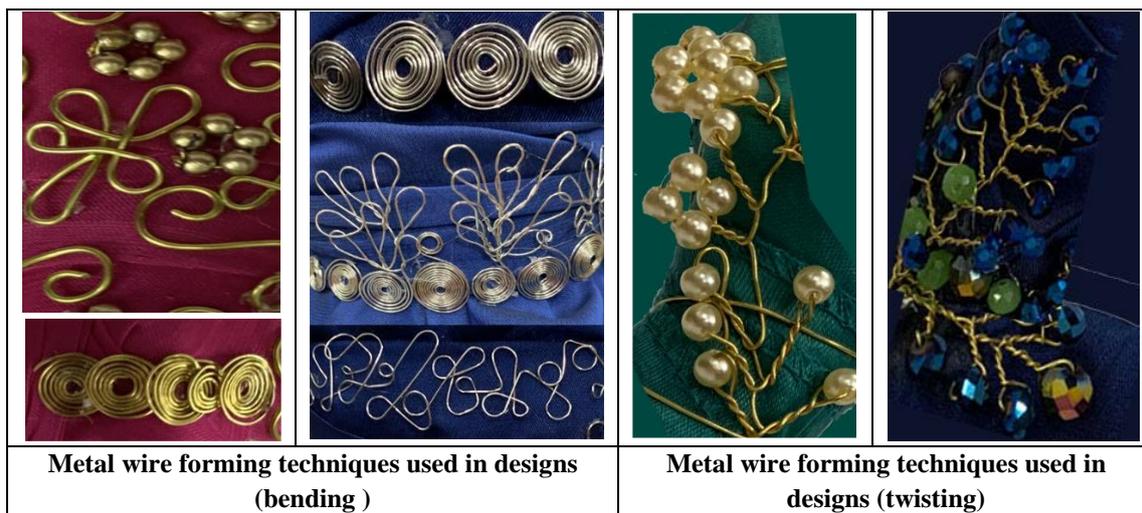
A questionnaire to measure the opinions of specialists on the proposed designs.  
The design of evening wear.  
Materials used (fabric - metal wire)

**Theoretical framework:**

The role of the material in designing on the dress stand.  
Metal wire forming techniques.

**Application framework:**

6 innovative designs for evening wear on the dress stand were structurally formed, then the metal wires were formed on the dress stand to prepare the decorative design by using the techniques of forming the metal wires (twisting - bending).



### Discuss the results:

After completing the formation of the design on dress stand and the formation of the decorative design of the metal wires on the design, a questionnaire was prepared with a form for each design to arbitrate the proposed designs consisting of the following axes: -

**The first axis:** the aesthetic aspect of the design, regarding structure and decoration.

**The second axis:** the technique of forming with metal wires.

**The third axis:** the combination of metal wire forming techniques and the mechanical design of evening wear.

**Prove the validity of the first hypothesis: There are statistically significant differences at the level of significance 0.01 among the opinions of the sample members on the appropriateness of the structural and decorative design of evening wear**

The percentage of the axis of the aesthetic aspect of the design was calculated constructively and decoratively, and the degree obtained by the six designs ranged from 89.1% for the first design and 85.74% for the sixth design, which indicates the verification of the foundations and design elements and the distinction of the aesthetic aspect due to the presence of a relationship with a statistical function. The structural and decorative design of evening wear, thus proving the validity of the first hypothesis.

**Prove the validity of the second hypothesis: There are statistically significant differences at the level of significance 0.01 among the opinions of the members of the sample in the suitability of the thickness of the metal wires used for the possibilities of forming them on evening wear designs**

The percentage of the axis of the metal wire forming technique was calculated, and the degree obtained by the six designs ranged from 97.23% for the first design and 90.51% for the second design, which indicates the appropriateness of thickness, color and units of metal wires to form the decorative design due to the presence of statistically significant differences at the level of significance 0.01 among the opinions of the sample members on the appropriateness of the thickness and color of the metal wires used as a decoration for evening wear designs, thus proving the validity of the second hypothesis.

**Prove the validity of the third hypothesis: There are statistically significant differences at the level of significance 0.01 between the opinions of the sample members in the suitability of incorporating the techniques of forming with metal wires and design on the dress stand to enrich the evening wear.**

The percentage of the axis of fusion among the techniques of forming with metal wires and the design on the dress stand for evening wear was calculated, and the degree obtained by the six designs ranged from 99.53% to the first design and 86.77% to the sixth design, which indicates the suitability of the materials and colors of the fabric and the metal wires with the designs due to the presence of differences of statistical significance at the level of significance of 0.01 among the opinions of the sample in the suitability of incorporating techniques of forming with metal wires and design on the dress stand to enrich evening clothes and thus prove the validity of the third hypothesis

**Prove the validity of the fourth hypothesis: There are statistically significant differences at the level of significance 0.01 among the opinions of the sample members on the quality of the proposed designs and the possibility of competition in the field of evening wear design**

The overall percentage was calculated, and the degree obtained by the six designs ranged from 89.39% to 87.71%, which indicates the quality of evening wear designs due to the presence of differences of statistical significance at the level of significance 0.01 among the opinions of the sample members in the quality of the proposed designs and the possibility of competition in the field designing evening wear and thus proving the validity of the fourth hypothesis.

### **Recommendations:**

- 1- Expanding the study of different arts in the field of evening wear design.
- 2- Further study of various techniques in the field of design on the dress stand.
- 3-The possibility of setting up a small project for the production of evening wear with individual production.

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