

## **Achieving Structural Systems in nature Through the art of doodle as an as an Expert input to Teach Decorative designs**

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### **Abstract:**

The art of doodle is an abstract method of randomness in artistic performance, and a creative activity that may be in the set of plans that precede the completion of the artwork in search of different aspects, or new plastic creations as a result of seeing the form, and it may be in showing the different aesthetic visions of the subject what prepares the mind and sense for plastic practice. Creative in search of multiple and different solutions, either within the framework of the designer's present experience or as a result of the designer's passing through previous artistic experiences, providing new solutions for new formations.

**Research problem:** How can the students' thinking be enriched by the development of structural systems in nature to achieve positive values through the art of doodle, which broadens the perceptions of the decorative designer?

### **The importance of this :**

- The research aims to present new experimental approaches to building the teaching of decorative painting in the light of the art of doodle.
- Producing a group of scientific applications that benefit from the structural systems in nature through the art of doodle.
- Finding new design visions through abstraction processes at the entrances to the building systems.

### **The importance of this research: The importance of the research is evident in the following points:**

- Introducing variable plastic solutions by adding elements of nature through the art of doodle and its relationship to the field of decorative designs to obtain a new visual formulation that balances repetition, form, ground, abstraction and experimentation, using the structural foundations in design.
- Developing the design aspect of the student in a simplified manner based on devising innovative solutions to achieve structural systems in nature through the art of doodle as an entrance to teaching decorative designs.

Enriching decorative designs curricula and teaching methods for a concept that keeps pace with the contemporary arts movement.

### **The research methodology was followed: the descriptive, analytical and empirical approach:**

- Based on collecting information, extracting vocabulary and analyzing structural systems in nature through the art of doodle and using it as an entrance to teaching decorative designs.
- Tracing the foundations and elements of design in nature to create innovative artistic and design experiences that enrich the field of design in an innovative way. In this step, the

activities of modification, abstraction, experimentation, the relationship of shape and the floor and its role in reshaping the decorative painting become apparent.

- Where the researcher conducted an experiment on a sample of students of the Faculty of Art Education - Minia University Rapporteur in nature of the initial team for the university year 2020/2021.

### **Keywords:**

Doodle art, structural systems, Decorative Pannels , Design.

### **- an introduction:**

Nature is the primary source for the designer because it contains an endless repertoire of various design elements such as lines, spaces, shapes, textures, colors, etc. Fine art has always interacted with the development of scientific and technical methods related to visual vision, which made the designer's dealings with the elements of nature more profound and diverse, which allowed the field to see It had a clear impact on the diversity of artistic production.

From this point of view, the fields of plastic arts have focused on studying nature as a serious attempt to invest in its abundance of various different formats to create a kind of communication and interdependence between man and his natural environment. Therefore, nature was the first source of the elements and foundations of aesthetic design, and it is a basic stimulus for aesthetic thought. and creative creative solutions (1).

The vocabularies of nature are sources of inspiration for the designer, because of the structural systems available in them for the forms of natural organisms, and the designer seeks to extract these systems to know the essence of their construction, to choose from them plastic vocabularies that he employs according to his own style. Thompson referred to the possibilities of revealing the aesthetic character of the components of nature By analyzing the structural system of its elements (12).

Nature is the source of all that surrounds the designer of influences that he thinks about and contemplates, and the designer expresses his own style and his distinct view of nature by making types of modification, alteration, reorganization of elements and selection, and from this interaction between the designer and nature, his artistic style or his own style crystallizes, which is the result of his culture And his experience.

Hans Arp and Mondrian shared the opinion that "there is no contradiction between art and nature, and that only through man can nature become art, and through the human mind can transform or shape the formal meanings of all the elements of nature that he feels." (12).

And Herbert Reed says, directing our attention towards the importance of nature to the designer: "Nature is the only touchstone for searching for form, and the word nature means all organic life processes, and the movement that takes place in the universe, and these processes include man as well."

As Oscar Schlemmer tended to focus on the relationships and laws extracted from the systems of nature to reveal their importance in works of art, and this is evident in his saying, "I study nature in a comprehensive and comprehensive study, then search for its internal manifestations" (1).

The scientific understanding of the logic of form in nature was one of the main reasons for many contemporary artists to take a new approach to the phenomena of nature, transcending

the limits of its physical dimensions, both external and internal, and exploring its constructive secrets in terms of form and content, by mobilizing their sensory, emotional, and mental energies with full force. They were able to present aesthetic equations for natural phenomena, as individual artistic perceptions about the laws or concepts of building the universe.

#### **research results :**

The results came according to the validity of the research hypothesis as follows:

- The result of the research revealed the possibility of using the art of scribbling to achieve structural systems in nature for the first year of the Faculty of Art Education.
- Studying the structural systems of elements in nature and applying them through the art of doodle (doodle art) as a holistic and integrated system that opens a new field in the field of decorative design.
- That there are alternatives of endless design solutions through the structural formulations of the elements in nature through the art of scribbling, in which the functional and aesthetic values are achieved in the design.
- Contemporary scientific studies and art schools provide new solutions for the design structure of elements in natural doodle art (doodle art), which has brought about an important development in the fields of decorative design.

#### **Recommendations:**

- Linking between structural systems in nature and modern design schools, understanding the relationships arising from them, and revealing aesthetic values.
- Contribute to the development of design thinking and add new aesthetic values through the integration of doodle art and other arts.

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