

Research on Nail Art 3D Design with Different Materials -- A Case Study of the Tang Dynasty Style

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Abstract

Women in Tang Dynasty, China (618 A.D.-907 A.D.) had concerned with beauty. They had painted color in their nails in addition to emphasis on clothing and makeup. Tang's costumes had blended the diverse characteristics of northern ethnic groups. Meanwhile a variety of engineering methods had been used such as embroidery, painting, printing, wearing gems and gemstones. Floral patterns had been appeared in large numbers in clothing, accessories and poetry. This study has tried to build the Tang Dynasty decorative painting technique or way of painting reappeared on modern nail art and to make the nail painting presents the different faces. After collecting a lot of relevant documents and experimenting many combinations of different materials, such as sculpture, super-light clay, foam paper, popsicle sticks, and Styrofoam, many hand-made stereoscopic flowers, such as peony, rose, plum etc., with painting have been made. Hence different from the past nail art, beautiful pieces of finger nail with the mood of Tang Dynasty poetry are presented. Furthermore, this study has investigated whether the stereoscopic nail art design with different materials could be promoted to the daily nail decoration to enhance the quality of life.

Keywords: Nail art, sculpture, different materials, Tang Dynasty poetry.

1. Introduction

Nail painting has gradually swept in Taiwan in recent years. The continuous painted modeling has been innovated. Especially, the city women are looking forward to having a beautiful painting color on their nail. Meanwhile, they hope to make changes in their nails with the different materials.

In this study, 3D sculpture techniques were used with different materials and the Tang Dynasty poetry mood on nail painting techniques. Finally, painted nail sheets different from past works are presented.

This paper is organized as follows. Section 2 states a brief literature review. In Section 3, the creative elements and analyses, and the creative inspiration are described.

Section 4 shows some nail creative works. Finally, some conclusions and recommendations are made in Section 5.

2. Literature Review

The nail art was used in ancient times. [1] Women in ancient Egypt used red nail polish and got the color from henna, which was a plant used to color hair and nails. [2] Some documents showed that the ancient Egyptian had dyed their nails golden. Also, they had refined the bronze oil from insect secretions as the nail dying. Nails paintings had begun to legalize in 1830s. In 1916, the decorative nail polish was begun to use. About 3,000 B.C., some Chinese documents showed that bees wax, proteins and gelatin had been used as nail polish [3].

Pigment in nail polish had been successfully introduced and have been started to commercialization in 1950s to 1960s. Women around the world regardless of class had begun a crush on nail polish. Subsequently, the chemical engineer had invented the silk nails and crystal nails, such invention of artificial acrylic nails had helped the nails become more slender and beautiful.

Nail cosmetic, art nails, crystal nail and painting nail have been developed rapidly by the end of 20th century. Nowadays, with a pair of gorgeous nail hands are indispensable for many fashion women [4]. The nail manicurist and the related industries have been risen by the popularity of the nail art. The professional nail manicurist must undergo a rigorous training with hand, foot care, nail and other aspects of professional knowledge providing multivariate and higher quality nail services.

In 21st century, nail painting arts have made huge progress due to the different new technologies. They are painting nails, bright crystal nails, French-style crystal nails, 3D crystal nails, phototherapy nails, watery nails, nail inkjet, 3D sculpture nails, and so on. These new nail arts keep the consumers' eyes greatly feasted on [5]. There are many kinds of commonly used nail painting techniques, e.g., painting, sponge rubbings, stack heap color dying, crystal nails and sculpture painting and others [4-7].

In this study, 3D stereoscopic sculpture painted was used for the creation of nail arts. For 3D stereoscopic sculpture, different colors of nail sculpting powder are painted on a nail piece resulting in a three-dimensional effect like oil painting.

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Poetry, one of the Chinese great culture, is the most widespread literature in Tang Dynasty (618 A.D.-907 A.D.) particularly. There were many elaborate floral works in Tang poetries. There were many elaborate floral works in Tang poetries such as Yuxi Liu (poet, 772 A.D.-842 A.D.), he referred to the "lotus and peony" in his poem of "Peony Viewing"; The other one, Pian Gao (General, 821 A.D.- 887 A.D.) in his famous poem "A Summer's Day in a Hill Garden", he described as "Green trees, greener shades, and the summer's day is long. Fine buildings studied their own reflections in the pond. The crystal curtains stir when a light breeze descends. A bed of roses permeates the garden with their scents".

In this study, a three-dimensional relief patterns called "Flourishing" and "Fragrant Yard" were created under the base of the above-mentioned two poems combining 3D technology with different materials and nail painted sculpture. There were many elaborate floral works in Tang poetries such as Yuxi Liu, he referred to the "lotus and peony" in his poem of "Peony Viewing"; The other one, Pian Gao in his famous poem "A Summer's Day in a Hill Garden", he described as "Green trees, greener shades, and the summer's day is long. Fine buildings studied their own reflections in the pond. The crystal curtains stir when a light breeze descends. A bed of roses permeates the garden with their scents".

3. Creative Design

3.1. Creative elements and analyses

In general, sculpture powder is used for creating patterns for a 3D sculpture nail. In this study, we use multi-materials, including super light clay, sculpture powder, and foam paper, and auxiliary tools including glass drilling, oil-paper umbrella, paints, nail glue, artificial grass, thin wire, scissors, luminescent nail polish and crystal monomer, for the series of creation works.

3.2. Creative inspiration

The creative inspiration comes from some kinds of flowers with good imagery in China. Peony, known as the "king of flowers" in China, has a lofty status Aromatic. In Chinese people's minds, other flowers are never attainable like the on the prominent of prestige and the status of honor. Lotus, being lightness finds, always gives the feeling of pure and noble. Multiflora rose, often

| Pen Drawing | 3D with different materials painting |
|---|---|
| Peony | Peony combined by different materials |
|  |  |
| Lotus and peony | Sculpture lotus, leaves and lotus |
|  |  |
| Tang Woman and Rendezvous | Sculpture Tang Woman |
|  |  |
| Rose | Roses designed by different materials |
|  |  |
| The design draft of "Fragrant Yard" | The design patterns by different materials |
|  |  |

Fig. 1. The creative design and actual creation

densely forested and full of branches and quite brilliant when flowering, is loved by poet and general people in China.

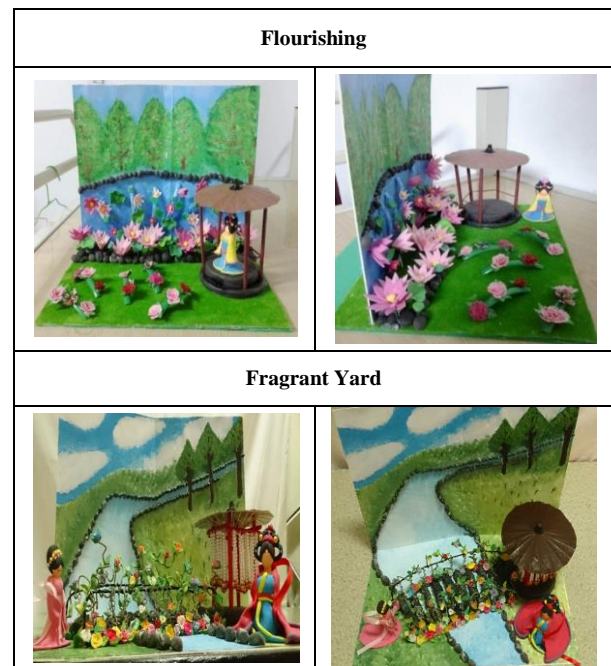


Fig. 2. The Completed "Flourishing" and "Fragrant Yard"

4. Nail Creative Works

All kinds of creative ideas and characters of flowers, garden exhibited. The creative design and actual creation were shown as Figure 1. The design idea of the first work "Flourishing" is a scenery of poem "lotus and peony" by Yuxi Liu. A woman of the Tang Dynasty standing next to a gazebo with grace and elegance along the lotus and peony, fully presents the brilliant flourishing Tang Dynasty. The design idea of the second work "Fragrant Yard" is also a mood emulation of Tang's poem. In a quiet courtyard in the mountains, the only things are trees and the reflections in the pond. When the breeze blows, the curtain sways gently and the aroma of multiflora roses is also spread to everywhere of the yard. The Completed "Flourishing" and "Fragrant Yard" are shown as Figure 2.

5. Conclusion and Recommendation

In this study, 3D sculpture techniques were used with the different materials. Meanwhile, flowers and background mood of Tang poetry were reflected on nail painting techniques. Finally, to express the innovative nail painting works.

This study expects to promote the 3D different materials and innovative nails design to the daily nail decoration. To provide more choices for anyone who love nail creation or nail design, to enhance the taste and quality of life.

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