Jewelry Design Inspired by the Life Cycle of Butterflies and Moths

Thanachat Pimmata
Advisor : Dr.Boontarika Srithai
Gemology Program, Department of Geological Sciences, Faculty of Science, Chiang Mai University

Abstract

This study is about jewelry design inspired by life cycle of butterflies and moths. Two sets of 4 jewelry; a ring of eggs, a bangle of larva, earrings from a pupa, and a brooch from an adult butterfly were produced using the Rhino gold 6.5 program. Nature and the life cycle of butterflies and moths are used as inspiration to create works that blend beauty, meaning, and contemporary design science together, and testing the prototype production with a home-use 3D printer.

Introduction

Butterflies are frequently seen in nature that often interpreted in novels/legends with a variety of symbolic meanings. One of the most prominent aspects is the life cycle of the butterfly, which is like a reflection of human identity and life, serving as the origin for creating these two jewelry sets.

Methodology

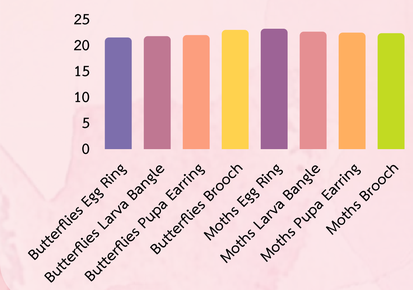
- Study and research the symbolic meanings of butterflies and moths.
- Bring the information obtained from the study to create 2D hand-drawn sketches.
- Create 3D models using Rhino gold 6.5 program.
- Take the resulting 3D jewelry models to print with a home-use 3D printer.
- Conduct an online questionnaire with a sample group at least 400 people.

Result

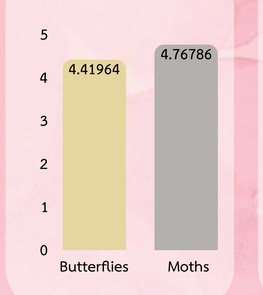
From the current survey result of 112 respondents,

- Moths Egg Ring got the highest overall score (23.18 pts of total 25 pts) for composition suitability, inspiration reflection of butterfly larvae, contemporaneity consistent with current trends, and suitability for wearing
- Jewelry set from Moths was slightly more favored than Butterflies set (4.42 vs 4.77)
- The most popular designed was Moths Egg Rings (44.6% of total)

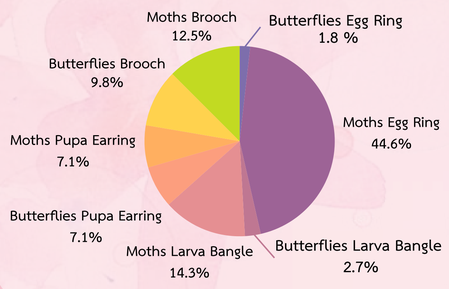
Design Score



Score per Set



Most popular jewelry



Conclusion

Research indicates that the Moths Egg RIng design was the most popular. has the highest total score per piece, consisting of composition suitability, reflection of inspiration, contemporaneity, suitability for actual wear, and overall preference. The most popular set is the jewelry inspired by the life cycle of the Moths , and the most popular piece of jewelry is the Moths Egg Ring.

References :

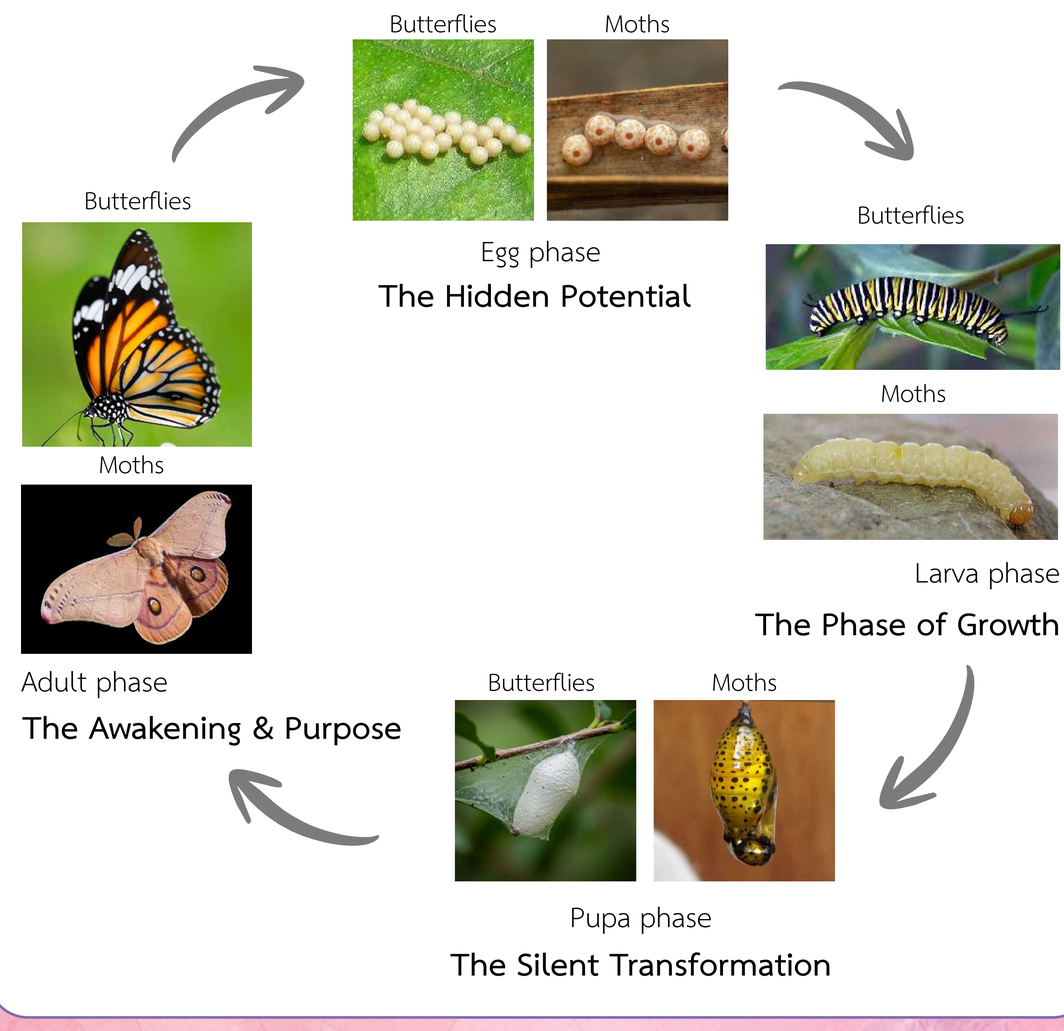
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Questionnaire

Life Cycle of Butterflies and Moths



Butterflies Jewelry Set



Butterflies Egg Ring



Butterflies Brooch



Butterflies Larva Bangle

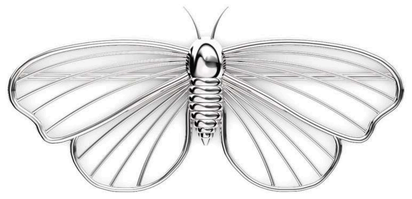


Butterflies Pupa Earring

Moths Jewelry Set



Moths Egg Ring



Moths Brooch



Moths Larva Bangle



Moths Pupa Earring