

## Designing decorative ribbons inspired by Art Nouveau using laser technology and printing and using them in women's evening clothes

Assist. Prof. Dr. Fatma Alsaïd Mostafa Madian

Assistant Professor, Department of Garment and Textile - Faculty of Home Economics -  
Al-Azhar University

[fatmamadian@azhar.edu.eg](mailto:fatmamadian@azhar.edu.eg)

### Abstract:

Decorative ribbons have developed remarkably over the ages, with the designer's new additions and what the era requires of innovations. Decorative ribbons add vitality and beauty to the garments to give them taste and beauty.

The fashion designers were interested in quoting from different sources to elevate the designs of all kinds, and among these sources is Art Nouveau, which is characterized by individuality and creativity, which resulted in wonderful works that were created using new materials, and therefore it was used in the design of decorative strips.

In an attempt to move away from the ordinary and integrate everything that is technological with everything that is ancient, whether it is art or culture, all this prompted the researcher to produce decorative tapes inspired by Art Nouveau using the combination of laser cutting technology and the effects of manual printing, as this is a kind of creative integration, in order to enrich the aesthetic values of evening clothes for women.

**The research was conducted with** the aim of reviving Art Nouveau art by proposing designs for modern and innovative decorative tapes characterized by uniqueness and elegance inspired by this ancient art, while producing decorative tapes of utilitarian and aesthetic value by combining laser cutting technology and manual printing techniques (direct drawing), and employing decorative tapes in a group of evening wear designs for women, implementing the nine best designs that were accepted by specialists, and identifying the degree of acceptance of the target group for the implemented research designs.

**The research followed** the descriptive method and the experimental method, due to its suitability to achieve the research objectives and verify its hypotheses.

**The research included** two questionnaires and statistical analysis, one of them measuring several axes of the proposed designs, numbering (24) designs, which were presented to a group of specialists and implementing the best (9) proposed designs according to their opinions, and another measuring several axes of the implemented designs, which were presented to a group of consumers to express their opinions.

**The research found** the possibility of designing decorative ribbons inspired by Art Nouveau using laser technology and printing, and using them in women's evening clothes.

### Key Words:

Design - Ribbon- Art nouvea- Laser technology- Printing - Evening clothes.

Table No. (١) Suggested designs

<p style="text-align: center;"><b>Design No. (1)</b></p>  <p style="text-align: center;">A.Desaint-2012-4)(</p>	<p style="text-align: center;"><b>Design No. (2)</b></p>  <p style="text-align: center;">Jean Lahor-1901-29)(</p>	<p style="text-align: center;"><b>Design No. (3)</b></p>  <p style="text-align: center;">Dan x. solo-2008-6)(</p>
<p style="text-align: center;"><b>Design No. (4)</b></p>  <p style="text-align: center;"><a href="http://www.shutterstock.com">www.shutterstock.com</a></p>	<p style="text-align: center;"><b>Design No. (5)</b></p>  <p style="text-align: center;">)A.Desaint-2012-4(</p>	<p style="text-align: center;"><b>Design No. (6)</b></p>  <p style="text-align: center;"><a href="https://www.vectorian.net/pack-art-nouveau.html">https://www.vectorian.net/pack-art-nouveau.html</a></p>

Design No. (7)



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (8)



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (9)



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (10)



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Design No. (11)



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (12)



[www.shutterstock.com](http://www.shutterstock.com)

**Design No. (13)**

A.Desaint-2012-The cover)(



**Design No. (14)**



<https://www.vectorian.net/pack-art-nouveau.html>

**Design No. (15)**



[www.shutterstock.com](http://www.shutterstock.com)

**Design No. (16)**



[www.shutterstock.com](http://www.shutterstock.com)

**Design No. (17)**



(Dan x.solo-2013 -11)

**Design No. (18)**



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (19)



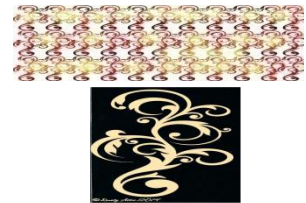
<https://www.vectorian.net/pack-art-nouveau.html>

Design No. (20)



[www.shutterstock.com](http://www.shutterstock.com)

Design No. (21)



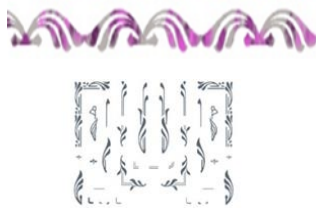
[www.shutterstock.com](http://www.shutterstock.com)

Design No. (22)



(Dan x.solo-2013 -3)

Design No. (23)



<https://www.vectorian.net/pack-art-nouveau.html>

Design No. (24)



<https://www.vectorian.net/pack-art-nouveau.html>

Table No. (٢) Implemented designs

<p><b>Design No. (١) it has the first rank, with an acceptance rate of ٩٩,٤%</b></p> 	<p><b>Design No. (١٥) it ranked second, with an acceptance rate of ٩٨,٧%</b></p> 	<p><b>Design No. (٨) and it ranked third, with an acceptance rate of ٩٨,٣%</b></p> 
<p><b>Design No. (١٧) and it earned fourth place, with an acceptance rate of ٩٧,٤%</b></p> 	<p><b>Design No. (٢٢) and it earned fifth place, with an acceptance rate of 97%</b></p> 	<p><b>Design No. (٤) and it earned sixth place, with an acceptance rate of ٩٦,٥%</b></p> 



### The most important results

- 1- Illuminating and reviving Art Nouveau art by designing new decorative bands.
- 2- There is a creative integration between laser cutting technology and traditional methods of manual printing (direct drawing).
- 3- Production of decorative tapes of utilitarian and aesthetic values by combining laser cutting technology and manual printing techniques (direct drawing).
- 4- Enriching the artistic and aesthetic values of women's evening wear using these newly developed decorative strips.

### Most important references

1. A. Desainf: Art nouveau stencil designs-dover Publications Inc. – ISBN: 04860454266- ISBN13: 9780486454269- manufactured in New York- the United States of America- 29 Jun 2012m.
2. Dan x. solo: Art nouveau designs- -dover Publications Inc. – ISBN10: 0486997545- ISBN13: 9780486997544- manufactured in the United States of America- 2008m.
3. Dan x. solo: Art nouveau typographic ornaments-series: dover Pictorial Archive- -dover Publications Inc. –ISBN13: 9780486243665- manufactured in the United States of America- 2013m.

4. Edmund V. Gillon Jr. (Editor): ART NOUVEAU an Anthology of Design and Illustration from, "The Studio" Dover Pictorial Archive Series, June 1, 1969m.
5. Jean Lahore: Art nouveau- park stone international— Paris- 1901m.
6. Matteo Fochessati: Art Nouveau Between Modernism and Romantic Nationalism 20<sup>th</sup> Century Decorative Arts- Ore Cultura S.r.l.- Italy- 2012m.
7. Rajkishore Nayak and Rajiv Padhye: The use of laser in garment manufacturing: an overview- Fashion and Textiles -International Journal of Interdisciplinary Research - Published: 01 March 2016m.
8. <https://www.vectorian.net/pack-art-nouveau.html>.
9. [www.shutterstock.com](http://www.shutterstock.com)