Cochineal Reds in Iberia and France A comparative study of wool dyeing recipes from 18th-Century sources

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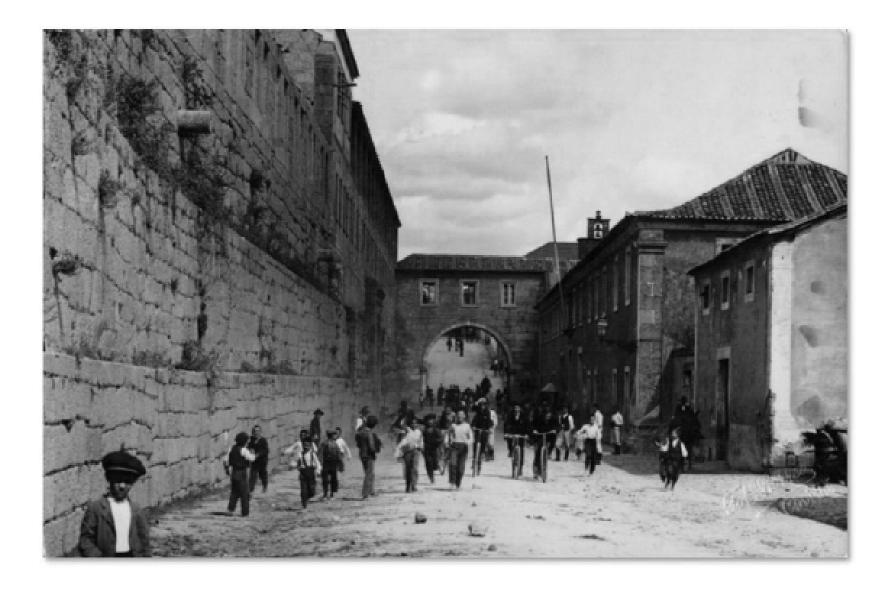
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Marquis of

Pombal 1699

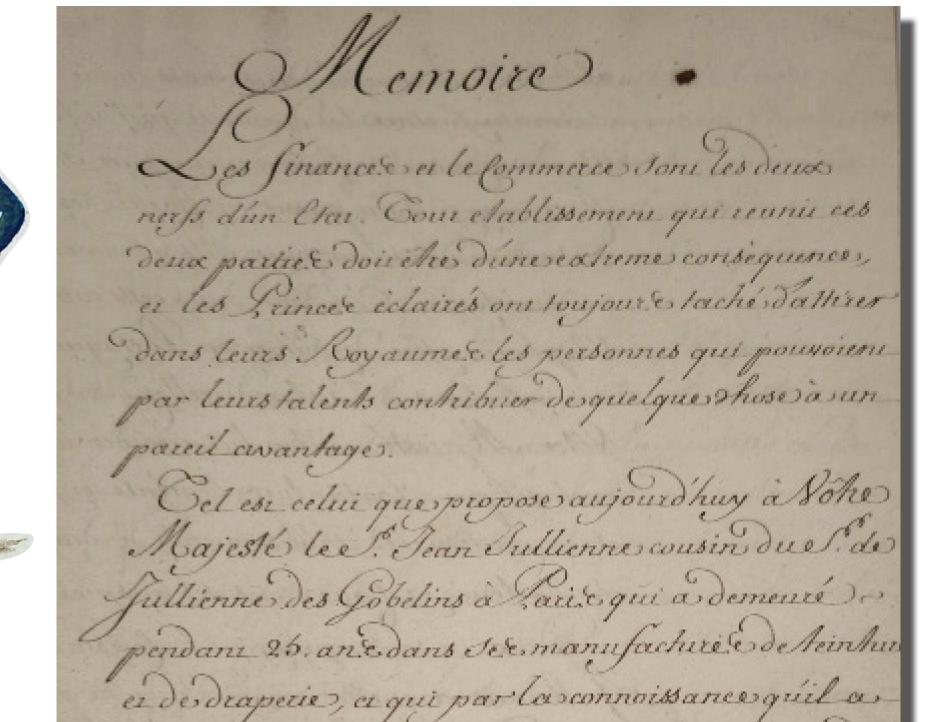


1. SECRET DE ECARLATE

The Royal Factory from Covilhã, founded in 1764 by the Marquis of Pombal, is the perfect example of the Portuguese Industrial and Cultural Heritage [1,2]. But this wool industry, although rich in history, lacks a comprehensive study of the dyeing processes used in the 18th-century, as well as a thorough documentation of its production.

The Royal Factory of Wool of Covilhã mainly produced army uniforms. Therefore the main colours dyed were red and blue. The reds were mainly prepared using madder and cochineal.

However, a recent letter from Jean de Julliene to the Portuguese king, has shed some light on the importance of cochineal recipes in the Factory's history. In this letter, the manager of the Manufacture de Gobelins, proposes that Portugal should build a similar manufacture in its territory, and that the Gobelins were willing to share their secret scarlet recipe.



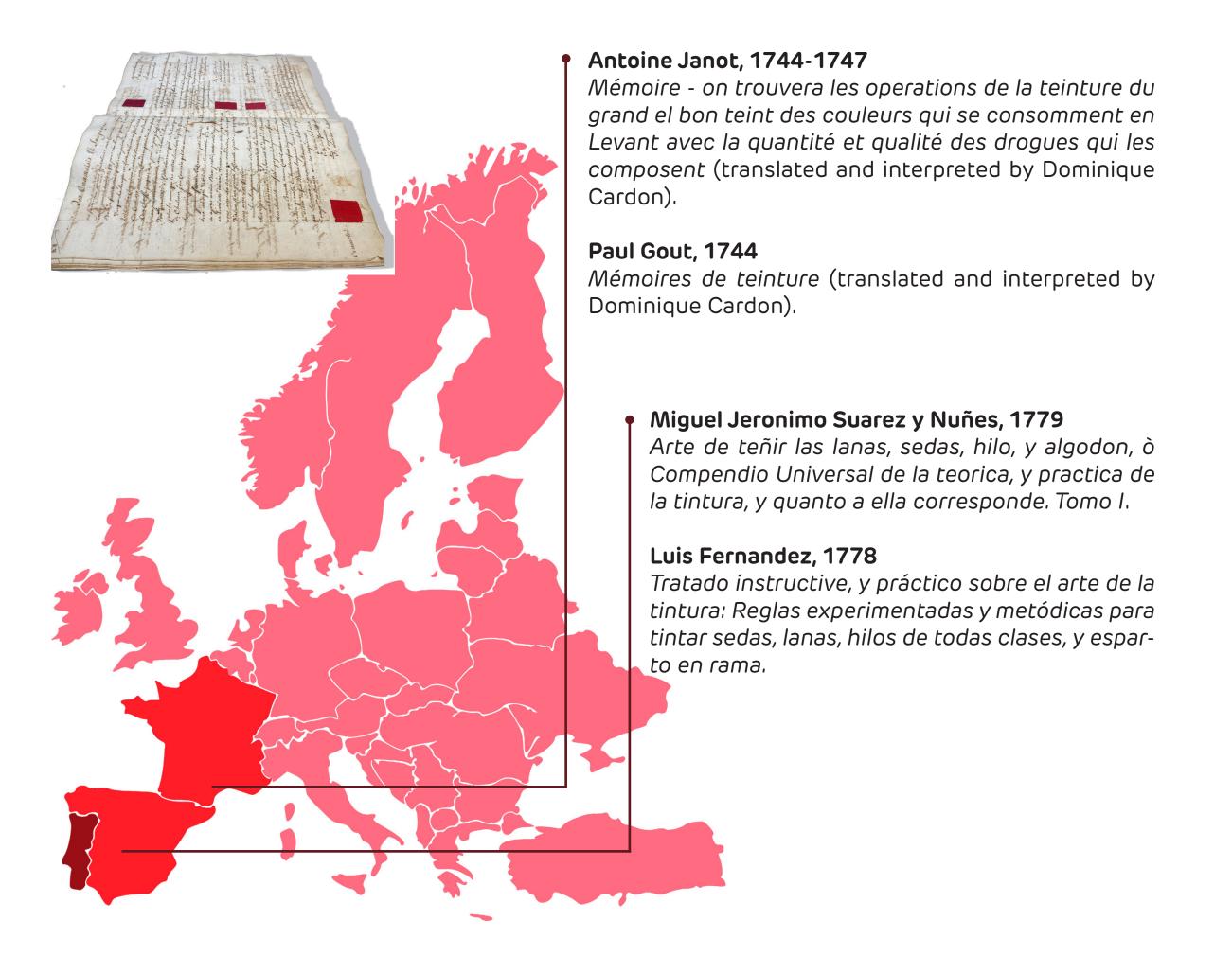
acquise du secret des l'écarlate, et l'inspection de



Uncover recipes for scarlet: formulations | chemical similarities | stability.

Understand the influnce France and Spain had in the portuguese wool manufacture.

2. SCARLET RECIPES FROM THE 18th c.

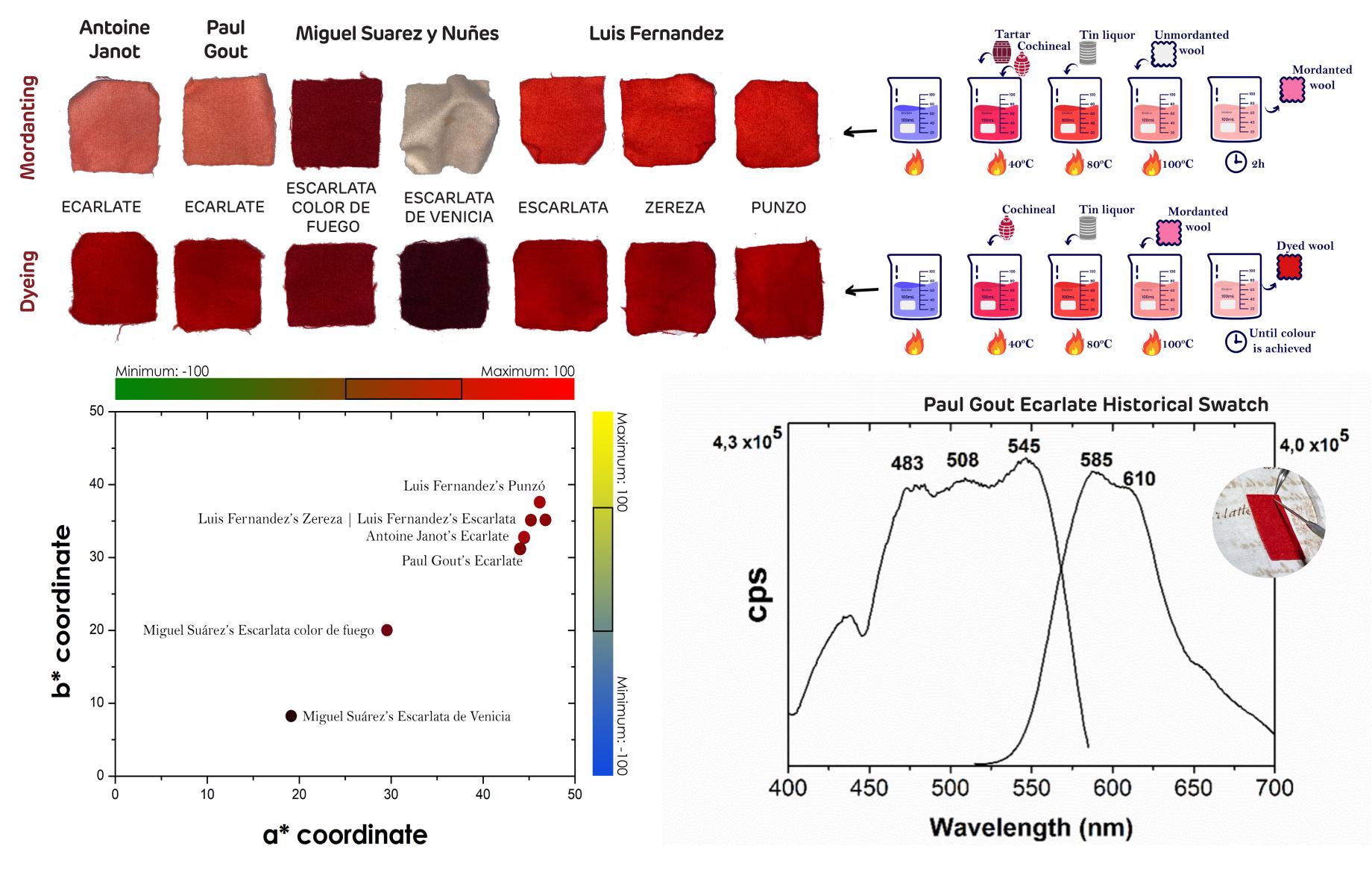


The manuscripts were selected based on their historical context as well as their geographical relevance. The French manuscripts had already been translated and interpreted by Dominique Cardon.

It was crucial to consider the quantities used in 18th-century Spain, as these varied by location.

Tin liquor was replaced by SnCl,

3. NOT ALL COLOURS ARE PREPARED ALIKE



4. FUTURE WORK

The PhD thesis "Le Rouge et le Rose: an in-depth study of madder and cochineal reds in the 18th century Portuguese Manufacture of Wool of Covilhã" envisages to disclose the formulations for cochineal and madder reds used in the Royal Factory, and further understand the knowledge transfer between Portugal, Spain and France. It will also aim at understanding the reconstruction of tin liquor.

REFERENCES

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