# Article information:

Green chemistry: its opportunities and challenges in colouration and chemical finishing of textiles - ScienceDirect
[https://www.sciencedirect.com/science/article/pii/S2352554122000936?ref=pdf\_download=RR-9=796354af9ffe0486](https://www.sciencedirect.com/science/article/pii/S2352554122000936?ref=pdf_download&fr=RR-9&rr=796354af9ffe0486)

# Article summary:

1. This article discusses the relevance of green chemistry in comparison to existing practices in the textile industry.

2. It evaluates the areas where one can deploy its principles and reviews the need for and importance of switching to environmentally friendlier practices.

3. The article also discusses different applications of green chemistry in textiles, especially in the field of textile colouration and a few important classes of finishes like antimicrobial, flame retardancy, water repellent and crease-resistant finishes.

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

The article is overall reliable and trustworthy as it provides an overview of green chemistry’s potential applications in the textile industry, including coloration and chemical finishing processes. The article is well-researched with references to relevant studies that support its claims. It also provides an analysis of conventional pre-treatment methods versus green chemistry practices, which helps readers understand how green chemistry could be used more effectively in this sector.

However, there are some points that could be improved upon. For example, while the article does discuss potential risks associated with conventional chemicals used in textiles, it does not provide any information on possible risks associated with using green chemistry instead. Additionally, while it does mention some potential benefits of using green chemistry over traditional methods, it does not explore any counterarguments or drawbacks that may arise from doing so. Furthermore, while the article does provide a comprehensive overview of current trends related to sustainable chemicals used for different finishes, it fails to mention any future perspectives or predictions regarding how these trends may evolve over time.

# Topics for further research:

* Risks of green chemistry in textiles
* Drawbacks of using green chemistry in textiles
* Future trends in sustainable chemicals for textiles
* Comparison of conventional and green chemistry in textiles
* Advantages of green chemistry in textiles
* Impact of green chemistry on the textile industry

# Report location:

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