# Article information:

Comparing the Effects of a Pine (Pinus radiata D. Don) Bark Extract with a Quebracho (Schinopsis balansae Engl.) Extract on Methane Production and In Vitro Rumen Fermentation Parameters-所有数据库  
<https://www.webofscience.com/wos/alldb/full-record/WOS:000794712900001>

# Article summary:

1. This study compared the effects of a pine (Pinus radiata D. Don) bark extract (PBE) with a quebracho (Schinopsis balansae Engl.) extract (QTE) on methane (CH4) production and in vitro rumen fermentation parameters.

2. Both extracts decreased butyrate proportion, CH4, total volatile fatty acids, NH3-N production, and increased acetate proportion.

3. Results indicate that PBE has the potential to contribute to sustainable livestock production; however, further in vivo studies are needed to verify the results.

# Article rating:

Appears well balanced: The article presents the information in a reliable and balanced way, without biases and prejudices. The claims made in the article are well supported and, where applicable, all sides of the argument are given opportunity to present their point of view. The article appears trustworthy and reliable.

# Article analysis:

This article is generally reliable and trustworthy as it provides detailed information about the research conducted and its findings. The authors have provided sufficient evidence for their claims by citing relevant sources and providing data from experiments conducted in vitro. Furthermore, they have discussed potential limitations of their study such as the need for further in vivo studies to verify their results.

The article does not appear to be biased or one-sided as it presents both sides of the argument equally and objectively. It also does not contain any promotional content or partiality towards either side of the argument. Additionally, all possible risks associated with using these extracts are noted throughout the article.

The only potential issue with this article is that some counterarguments may have been unexplored or missing points of consideration may have been overlooked due to lack of space or time constraints. However, overall this article appears to be reliable and trustworthy as it provides sufficient evidence for its claims and presents both sides of the argument equally without any bias or promotional content.

# Topics for further research:

* In vivo studies of plant extracts
* Potential risks of using plant extracts
* Benefits of plant extracts
* Plant extract safety
* Plant extract efficacy
* Plant extract research methods

# Report location:

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