

Review of: "Antimicrobial Ayurveda Crops as Superfoods for Export, Conservation & Farmers' Benefit"

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Reviewer comments to authors:

The article provides a comprehensive exploration of the potential of Ayurvedic superfoods in combating antimicrobial resistance (AMR), promoting farmers' income, and contributing to biodiversity conservation. Here are some review comments:

The article effectively communicates the urgency of addressing AMR and presents a compelling case for the integration of Ayurvedic superfoods into agricultural practices. However, some sections could benefit from clearer organization and transitions to improve overall coherence and readability.

The article draws on a range of sources to support its claims, including literature reviews, consultations with farmers, and economic data. Providing specific references or citations for key assertions would enhance the credibility and rigor of the arguments presented.

The article briefly discusses the antimicrobial properties of selected Ayurvedic superfoods but could delve deeper into the mechanisms by which these plants exert their effects. Exploring the bioactive compounds responsible for their therapeutic properties would enrich the discussion and highlight their potential as alternative treatments for AMR.

The article highlights the income potential of cultivating Ayurvedic superfoods and emphasizes their significance for farmers, particularly in marginalized regions. Including case studies or real-world examples of successful implementation would strengthen the argument and provide practical insights for policymakers and stakeholders.

The article underscores the importance of biodiversity conservation in the context of Ayurvedic herbal medicine. It effectively highlights the potential risks of overharvesting wild species and the need for sustainable farming practices to ensure long-term ecological resilience.

The article briefly compares the export success of Traditional Chinese Medicine (TCM) with the challenges faced by Ayurveda in terms of shifting from wild harvesting to cultivation. Expanding on this comparison and exploring lessons learned from the TCM experience could offer valuable insights for the development of Ayurvedic herbal industries.

The article concludes with a discussion of potential future research directions and opportunities for innovation in Ayurvedic medicine. However, it could further explore the challenges and barriers to the widespread adoption of Ayurvedic

superfoods, including regulatory hurdles and market dynamics.

The article is generally well-written and accessible, but there are instances where technical language could be clarified for a broader audience. Ensuring consistency in terminology and providing definitions for specialized terms would enhance comprehension for readers outside the field.

Overall, the article presents a compelling argument for the integration of Ayurvedic superfoods into agricultural practices as a sustainable solution to address AMR and promote economic development. Strengthening the evidence base, providing more in-depth analysis of key concepts, and exploring practical implications for stakeholders would further enhance the impact and relevance of the article.