

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

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Potential competing interests: No potential competing interests to declare.

My comments on the manuscript entitled "Antimicrobial Ayurveda Crops as Superfoods for Export, Conservation & Farmers' Benefit" are as follows.

What specific evidence supports the assertion that herbal drugs like turmeric, pepper, and clover are effective against microbial resistance, particularly in comparison to antibiotics?

Can the mechanisms of action of polyphenols and alkaloids in herbal drugs be clearly defined in their ability to combat microbial resistance?

Have there been any controlled experiments or clinical trials comparing the efficacy of combined herbal therapy to traditional antibiotic treatments in preventing the evolution of resistance among microbes?

How do the cultivation practices for superfoods like turmeric, pepper, and clover differ from those of conventional crops, and what are the associated benefits for farmers in terms of income and input costs?

What measures are being taken to ensure the sustainable cultivation of threatened wild herbs, particularly those that are increasingly in demand for their potential as superfoods?

Are there any documented instances of adverse effects or drawbacks associated with the long-term use of herbal drugs in combating antimicrobial resistance, such as toxicity or unintended side effects?

How do the nutritional profiles of superfoods like turmeric, pepper, and clover compare to traditional dietary staples, and what implications does this have for their inclusion in regular diets as a means of preventing microbial resistance?

What strategies can be implemented to promote widespread adoption of herbal therapies as alternatives to antibiotics, particularly in healthcare settings where resistance is a significant concern?

Are there any regulatory frameworks in place to ensure the quality and standardization of herbal drugs used in antimicrobial therapy, and how do these compare to regulations governing conventional antibiotics?

Discussion section is very short.

How do cultural attitudes and beliefs regarding traditional herbal medicine impact the acceptance and utilization of herbal therapies in combating microbial resistance, both domestically and globally?

The whole manuscript is very superficially written and not suitable for publication.