

Review of: "Antimicrobial Sensitivity of Plant Extracts of *Acacia arabica*, *Prosopis juliflora*, *Abutilon indicum*, and *Bryonia laciniata* on *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Escherichia coli*"

Dégi János¹

¹ University of Agriculture and Veterinary Medicine Timisoara

Potential competing interests: No potential competing interests to declare.

In the introduction, I recommend that you focus more on the importance of medicinal plants in the therapy of infections caused by bacteria, especially those with antibiotic resistance, and the importance of these studies in the therapy of the future, as an alternative source to conventional antibiotics.

The name of the genus and the species are written in italics. Please check if it is uniform throughout the manuscript.

Why did you use two types of extracts? What are the advantages and disadvantages of using them?

How did you conclude that, at a concentration of 50 mg/ml, it has an effect on the tested bacteria?

What plant parts were used? The motivation should also be mentioned for each individual plant, because the active principles may differ in concentration depending on the parts of the plant.

Do the plants appear as a description in a nomenclature? If they are registered, the registration number should be given to be able to recognize the plant.

What procedure was used to dehydrate the plants?

By which cultivation methods and on which culture media were the bacterial strains obtained? Were standardized strains used for testing?

What discs did you use, to maintain their sterility and not to spoil the results?

Important elements are missing in the description of methods and materials, which can create confusion and misunderstandings on the part of those who read the manuscript.

How many times were the experiments repeated?

In my opinion, it would have been more useful to have used the microdilution method for testing.

The statistical processing of the results does not appear in the manuscript. In this case it would also be useful for data comparison. Please specify which statistical methods you used?

It would be useful to mention what are the EUCAST or CLSI clinical breakpoints for each individual bacterial species.

The conclusions reformulated to be able to highlight the importance of the study.