

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*"

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Potential competing interests: No potential competing interests to declare.

The manuscript is generally well written, but I have some observations.

1. After collecting the plant sample, it is supposed to be authenticated by a plant taxonomist to make sure you have the right plant.
2. I identified a major flaw in your methodology. While conducting antibiogram by either disk diffusion method or agar well diffusion method, you need to use a standardized concentration of the test microorganism. You do this by preparing a Macfarland standard as a reference to adjust the turbidity of your test bacteria suspension so that the number of bacteria will be approximately a culture density of 1.5×10^8 cfu/ml.

You need the macfarland standard because if you use a high bacterial culture density for your antibiogram, you will get a smaller zone of inhibition. On the other hand, using a low bacteria culture density will give a false bigger zone of inhibition.

1. In section 3.2 you stated that a zone of inhibition greater than 4mm was considered to have significant activity against a particular bacterium. Please insert a citation here, or explain how you arrived at that, because it is not the standard.
2. You didn't perform any phytochemical analysis, but you stated in your abstract that "phytochemical analysis indicates that the plants have the potential for use in managing the test bacteria"