

Review of: "[Review] The antibacterial activity of *Allium sativum*, *Thymus vulgaris*, *Origanum vulgare*, *Curcuma longa*, *Rosmarinus officinalis*, and *Cinnamomum* species against various antibiotic-resistant strains of bacteria: A Literature Review"

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Potential competing interests: No potential competing interests to declare.

01. in introduction part :

- moment in history has influenced the management of infectious diseases, saving countless lives.... it is better to be "moment in history had influenced the management of infectious diseases, and saved countless lives.
- "1940s, bacteria that were resistant to the effects of penicillin"... it is better to be .."1940s, resistant bacteria to penicillin's effects".

01. Factors Contributing to Antibiotic Resistance

- "becoming resistant to antibiotics is overuse and inappropriate" ... it is better to be "becoming resistant to antibiotics is their overuse and inappropriate"
- "environment favorable for bacteria resistant to antibiotics to propagate" is better to be "environment favorable for bacterial resistant to antibiotics to propagate"
- "countries (Ventola, 2015). In many of these countries" is better to be "countries (Ventola, 2015). In many countries"

01. 1.3. Statistics Related to Antibiotic Resistance

- "The Centers for Disease Control and Prevention (CDC)" is better to be "Centers for Disease Control and Prevention (CDC)"
- "According to the CDC, there are millions" is better to be "According to CDC, there are millions"
- "S aureus, *Streptococcus pneumoniae*" is preferable to be .."Staphylococcus aureus, *Streptococcus pneumoniae*"
- "with a greater tendency to be resistant to antibiotics or MDR and cause" .. is preferable to be "with a greater tendency to be MDR to antibiotics and cause"
- "about 80,000 MRSA infections each year, with 11,000" you should mention between brackets what is meant by MRSA...(Methacillin)
- "These infections result in over \$83,000 in additional healthcare costs per patient (Sowash et" it is better to be "These infections result in the elevation of healthcare costsper patient by 83,000\$" (Sowash et"

- “Chu et al., 2005). *S. pneumoniae* accounts” should be “Chu et al., 2005). “*S. pneumoniae* accounts”
- “6,000 infections with MDR *P. aeruginosa*”.. should be “ 6,000 infections with MDR *P. aeruginosa*”
- “*E. coli* causes 265,000 infections, 2,000 hospitalizations” should be ...” *E. coli* causes 265,000 infections, 2,000 hospitalizations”
- “pathogen associated with food poisoning and is responsible for ” delete “and”

01. 1.4. Herbal Treatment for Antibiotic-Resistant Bacteria

- “enhance the activity of antibiotics, potentiating their effects” better to be ..”“enhance the activity of antibiotics, and potentiate their effects”

01. 5. Discussion

- “Some antibiotics administered for these infections are penicillin” better to be ..”Some antibiotics that are administered for these infections include penicillin,..”

01. 6. Antibiotic-Resistant Bacterial Strains

- “(Kane et al., 2017).*S. aureus*” add space before “*S*”
- “in the healthcare setting, and in the community as” better to be “in healthcare setting, and community as”
- “major threat by the CDC (CDC, 2022a, CDC, 2019a” delete “the”
- “via” throughout the Review must be written in italic.
- “likely dependent on the strain and extract used” should be ..”likely dependent on the strain and used extract”
- “The data collected from this research indicates that thyme” not indicates ... should be ..indicated
- “MIC was only found for the methanol and ethanol extracts”.... not found for ... but found with
- “The information from these studies demonstrates” must be ...”demonstrated”...not “demonstrates”
- “For this research, allicin was extracted from garlic (*A. sativum*)” should be “ In this research,.....”

01. 6.3. *P. aeruginosa*

- “damage and cytotoxicity, which increases mucous secretion” should be ..”“damage and cytotoxicity, which in turn, increases mucous secretion”
- “*aeruginosa*. In all of the studies, garlic (*A. sativum*) reduced the growth of MDR strains of *P. aeruginosa*” should be start with “All of the studies proved that” .. and add space before “*P*” and dot after .
- “in each of the studies” preferable to be ...” in each study”
- “The MIC varies according to the research” “ varied” not “varies”
- “There is a limited amount of data available to determine if oregano (*O. vulgare*) is effective” remove “a” and put” the effectiveness of oregano (*O. vulgare*)” instead of “if oregano (*O. vulgare*) is effective”
- “The article did provide the ZOI at 23 mm, which indicates” did provide replace it with provided..... and “indicates” should be replaced by “ indicated”
- “The low dosage is the most probable reason no” should be ...” the low used dosage may be the reason why..”

- "antibiotic resistance of E coli" spaces before "E" and dot after must be monitored.
- "The article by Sienkiewicz et al provides the greatest" provided ...not "provides"
- in general ...spaces before the abbreviated letters and dot after must be monitored throughout the article...e.g.
"estimated thatC jejuni is"