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Contribution to the phytochemical and antimicrobial study of the leaves and roots of *Salvia argentea* from western Algeria

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The world of plants is full of resources and virtues, where man draws not only his food but also active substances that often provide benefits to the body. It is in this context that we are interested in the phytochemical study and the antimicrobial activity of *Salvia argentea*, belonging to the *Lamiaceae* family. The phytochemical examination showed that the target parts, in this case the leaves and roots of *S. argentea,* contain polyphenols, flavonoids, saponosides, tannins, sterols and triterpenes in both the methanolic and aqueous extracts. Alkaloids that are not detected in the leaf methanolic extract and the root methanolic extract. Furthermore, the antimicrobial activity of the methanolic and aqueous extracts of leaves and roots of *S. argentea* against a range of seven pathogenic bacteria and yeast carried out by extracts of *S. argentea,* showed a moderate activity; only the *Pseudomonas aeruginosa (P. aeruginosa)* strain showed resistance. Inhibition of growth varies according to the organ considered, the type of extraction, the concentration and the strain used.

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