

**COMPARATIVE ANALYSIS OF ANTIBACTERIAL AND ANTIMYCOTIC ACTIVITY OF THREE SAMPLES OF ESSENTIAL OIL OF ORIGANUM VULGARE L.**

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The comparative analysis of antibacterial and antimycotic activity of 3 samples of essential oil is carried out *Origanum vulgare* L.: essential oil of oregano beauty the manufacturer of «Natural oils»; essential oil obtained from the pharmacy of crushed medicinal plant raw material of the manufacturer ZAO «Ivan-Tea»; the essential oil obtained from hand-harvested medicinal plants herbs oregano on Bald mountain Saratov in July 2017. Antibacterial and antimycotic activity of these samples of *Origanum* essential oil against standard strains of microorganisms was established: *Staphylococcus aureus* ATCC 6538P, *Pseudomonas aeruginosa* ATCC 27835, *Escherichia coli* ATCC 25922, *Candida albicans* ATCC 13108. All samples of *Origanum* essential oil showed bactericidal action in relation *S. aureus* and fungicidal activity in relation *C. albicans*. In relation to *E. coli* all samples of essential oils showed different activity: the essential oil obtained from the pharmacy of crushed medicinal plant raw material of the manufacturer ZAO «IvanTea», did not show a pronounced antibacterial effect, in contrast to the other two samples (essential oil of oregano beauty the manufacturer of «Natural oils» and essential oil obtained from hand-harvested medicinal plants herbs oregano), which showed a bactericidal effect. In relation to *P. aeruginosa* all samples of essential oils were not active.

**Key words:** *Origanum vulgare* L., oregano, essential oil, antibacterial activity, antimycotic activity.

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