

**THE SECONDARY METABOLITES IN LYCOPODIACEAE S. STR.
OF RUSSIAN FLORA AND THEIR BIOLOGICAL ACTIVITY**

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The review of component composition from among secondary metabolites and data on biological activity of Lycopodiaceae s. str. from Russian flora was compiled in native literature. The composition of alkaloids and triterpenoids from Russian species of *Lycopodium*, *Diphasiastrum* and *Lycopodiella* was expanded with the references to their structure and sources. The data on cytotoxic, antibacterial, antiviral and other kind of biological activity as well as results of experiments on the effect of different fractions and their components on activity of acetylcholinesterase and other enzymes.

Key words: Lycopodiaceae, alkaloids, triterpenoids, secondary metabolites, biological activity, Russian flora.