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**BIOSURFACTANT AND ITS APPLICATION REVIEW: MORE EMPHASIS ON
AGRICULTURE**

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ABSTRACT

Biosurfactants bio-molecules are those kinds of biomolecules which have surface-active properties. They are produced by microbes and they have several advantages compare to the chemical surfactants, like lower toxicity, higher biodegradability.

Biosurfactants have very high capabilities like they are highly selective in nature, they are very good foaming agent, they show very good specific activity even in extreme conditions like temperature, ph, and salinity. Due to these capabilities they are widely used in many industries.

Many surfactants are available in the market are chemically synthesized. Usages of biosurfactants are increased because of their wide range of functional properties and the diverse synthetic capabilities of the microbes.

There are many advantages of microbial biosurfactants because they have wide range of applications protection of ecosystem. Microbial biosurfactants have very good capabilities of enhancing in oil recovery, controlling oil spills, biodegradation because of this advantages they are used in oil-contaminated industries.

Biosurfactants are also used in oil, and biodegradation industries. Thus In this review article, we concentrated on, exploring application of biosurfactants in agriculture and investigating their potential role in plant growth promotion and other related agricultural applications.

Keywords: Biosurfactant, biodegradation, Agriculture, microbes