Production of Biosurfactant by *Pseudomonas aeruginosa*

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Abstract: Surfactants are chemically and biologically amphiphilic compounds that have hydrophilic and hydrophobic domain. Microbes produce biosurfactants in relatively large quantities. Biosurfactants have wide applications in industries including petroleum, food, agriculture. This study is based on potential biosurfactant production by *Pseudomonas aeruginosa*. BHMS (Bushnell Hass Mineral Salt) medium with glucose as substrate is used as production medium for *Pseudomonas aeruginosa*. The crude biosurfactant is extracted from supernatant. Different confirmatory tests were performed including oil displacement test. Gas chromatography was performed for qualitative estimation of rhamnolipids.

Keywords: Biosurfactants, *Pseudomonas aeruginosa*, Rhamnolipids

REFERENCES
