

**USING U.V. LIGHTS FOR IMPROVING OF  
HYDROCARBON DEGRADER *Pseudomonas aeruginosa* D18**

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**Abstract**

The U.V lights was used in different times (5-75) sec. to obtain mutant isolates that are capable of hydrocarbon degradation, the isolate could to reduce biosurfactant to 30mn/m.

Study of plasmids content for selected isolate showed that its content 4 plasmids different in size.

Bacterial conjugation was conducted; the results showed plasmids could not transfer through conjugation process.