

**DEGRADATION OF INDUSTRIAL PAINT EFFLUENTS BY SOIL
BACTERIA ISOLATED FROM ITS ENVIRONMENT**

ASO CHIEMEKA MAUREEN

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CARITAS UNIVERSITY
AMORJI-NIKE ENUGU.**

SUPERVISOR: MISS OKWWUOBI, P.N.

AUGUST, 2012

CERTIFICATION PAGE

I certify that this research project was carried out by Aso Chiemeka Maureen (MB/2008/397) in the Department of Microbiology and Biotechnology, Faculty of Natural Sciences, Caritas University, Amorjini-Enugu. The Department recognises that Aso Chiemeka Maureen (MB/2008/397) bears full responsibility for this work.

.....
Aso Chiemeka Maureen
Date

.....
Miss Okwuobi, P.N.
Date
(Supervisor)

.....
Miss Nnmena, E.E.
Date
(Head of Department)

.....
External supervisor
Date

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DEDICATION

This project is dedicated to Almighty God for His infinite mercy, graces and blessings. Also, to all the less privileged and poor. It is also dedicated to all those in the science discipline I hope it serves as a guideline to them as they carry out their own research in the nearest future.

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ABSTRACT

This study investigates the ability of bacteria isolated from surrounding paint effluents of paint industries to degrade paint. The release of toxic industrial waste into the environment by many industries has caused a great danger to plants animals and humans. The disposal of industrial paint effluents into the environment has caused serious illness to humans because it contains toxic volatile compounds. bacteria was isolated and characterized based on their morphology and biochemical tests and subsequently identified as *Pseudomonas smaragdina*, *Pseudomonas arvilla*, *Pseudomonas iridscens*, *Pseudomonas putida* And *Pseudomonas cruciviae*. The results of the spectrophotometer reading show that the bacteria was was to degrade paint to a certain degree. . Biodegradation by the isolated bacteria according to this project work occurs naturally and when compared to waste water treatment using treatment plants, is a feasible form of study.