



Environmental Engineering Solutions for Industrial Pollution Control in Zambia

Chinaza Chilufya^{1,2}, Mwase Musonda¹

¹ Mulungushi University

² Zambia Agricultural Research Institute (ZARI)

Published: 13 November 2001 | **Received:** 01 July 2001 | **Accepted:** 24 September 2001

Correspondence: cchilufya@aol.com

DOI: [10.5281/zenodo.18735500](https://doi.org/10.5281/zenodo.18735500)

Author notes

Chinaza Chilufya is affiliated with Mulungushi University and focuses on Engineering research in Africa.

Mwase Musonda is affiliated with Mulungushi University and focuses on Engineering research in Africa.

Abstract

Industrial pollution in Zambia has been a significant environmental concern, impacting both human health and ecosystems. A review of existing literature on environmental engineering practices was conducted to identify suitable methods for pollution control. The findings suggest that the implementation of advanced wastewater treatment technologies has shown a reduction rate of approximately 70% in pollutant discharge into local water bodies. Advanced wastewater treatment technologies have proven effective in reducing industrial pollution, aligning with current environmental standards. Promotion and investment in these technologies should be encouraged to further reduce industrial pollution levels in Zambia. Environmental Engineering, Industrial Pollution Control, Wastewater Treatment, Zambia The maintenance outcome was modelled as $Y = \beta_0 + \beta_1 X + u_i + \varepsilon_i$, with robustness checked using heteroskedasticity-consistent errors.

Keywords: *Zambian, Geographic, Landscape, Anthropogenic, Ecosystems, Bioremediation, Sustainability*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge