



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_18907
Title of the Manuscript:	APPLICATION OF ANT COLONY OPTIMISATION ALGORITHM ON SOLID WASTE COLLECTION: A CASE OF UNIVERSITY OF PORT HARCOURT
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	The paper proposes a technique based on Ant Colony Optimization (ACO) and applies it to a real world route optimization problem. In their work, they integrate ACO with Floyd-Warshall's all pairs shortest path algorithm. Overall the paper is well written and technically sounds. My comments are listed below. In the analyses, the weight function between the nodes in the graph is chosen as Euclidean distance. Why did not use actual route distance? You can obtain this information by using Google Map's API. Do you think your algorithm is the best for such problems? Is there any other works related to the problem presented in the paper? You need to present some related works about applications of ant colony optimization to path optimization problems. Is the distance only factor affecting desirability (Eq.2)? How do you prove that your algorithm is effective?	



SDI Review Form 1.6

	How about the future work? What other types of problems can be solved by the proposed technique? Can you extend your algorithms with some additional features? Is the proposed algorithm scalable and performance efficient?	
<u>Optional/General</u> comments		

Reviewer Details:

Name:	<i>Ahmet Sayar</i>
Department, University & Country	<i>Computer Engineering Dept., Kocaeli University, Turkey</i>