



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_6445
Title of the Manuscript:	Stochastic Optimization Models for Cancer Chemotherapy
Type of the Article	Research Paper

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:

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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	1. In line 188 on page 8 of this paper: ...is an "increasing" function of Initial Size of malignant cells when...Please make sure whether the analysis conflicts with the results in Table-1. 2. In line 197 on page 8 of this paper: ...the rate of cell transition from mutant stage to malignant stage is a "decreasing" function,...of maximum targeted time of cell in malignant stage...Please make sure whether the analysis conflicts with the results (from 24262.65 to 47354.97) in Table-2. 3. Please add more explanation for therapy or biology from your analysis about Table-1 and Table-2 to complete your analysis.	1. The given comment is correct as the average number of existing malignant cell's size in the tumour / overall body is increased by increasing the initial amount of these type of cells (M_0) (not required to revise) 2. The rate of cell transition from mutant stage to malignant stage (β) is not having any pattern, and the objective of minimizing the duration of cancer causing cell (Z_2) is a decreasing function of maximum targeted time of cell in malignant stage (T_3) when the other parameters are constants. (Revised) 3. More explanation was given on both tables as complete analysis by mentioning the specific parameters in parenthesis
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		