



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. cancer-causing cells mean all cancer cells or only cancer stem cells? 2 what do mutant cells mean? Do the mutant cells need chemotherapy? 3 How do you know the values of N_0, M_0, N and M? 4 How to apply in one kind of cancer with the Stochastic Optimization Models for Cancer Chemotherapy?	1. Cancer causing cells may in any format, i.e. they may be blood cells, muscle cells, tissue cells, nerve cells, etc. 2. The cells which behave abnormally and having continuous proliferation without obeying the genetical instructions. the cell behaves without the usual behaviour of cell division. 3. N_0, M_0, are the initial assumed size of the mutant and malignant cells in the system. whereas the N and M are the expected number of Mutant and malignant cells, which can be derived from the developed stochastic model by Tirupathi Rao and Srinivasa Rao (2006) 4. The applicability of the above model has a very broad spectrum. These models can be used for assessing the cancer severity either in any organ such as liver, breast, prostate, cervix, bladder, lungs, etc; or in any tumor or in tissue, muscle or in all over body or the systems like digestive system, endocrinology, blood circulation, respiratory systems, nervous system, etc.
<u>Minor</u> REVISION comments	1.The references are not in the same format. 2. In the sentence 9, "Srinivasa Rao,K. et.al.(2004)" was published in 2004 or 2006? 3. In the sentences 33 and 34, we should destroy or protect mutant cells?	1. The reference was formatted as the journal's specifications 2. This article was published in 2006 3. the purpose is to destroy the cancer causing or mutant cells (revised the paper as per these comments)
<u>Optional/General</u> comments		