



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_14808
Title of the Manuscript:	Diffusion approximation of stochastic SIR epidemic model
Type of the Article	Original Research 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:

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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	The author considered the general stochastic SIP epidemic model with the transition intensity. An approximation of the final size by a diffusion process is given. The paper is short. I suggest that the author can make a comparison with other methods. According to the paper, the number of susceptible n is sufficiently large. What value of n means sufficiently large? This is not clear. Thus, I suggest that the author should add some simulation to support the result. Otherwise, this paper is only a pure theoretical result. In scientific papers, "I aim to approximate...", "I close with a brief conclusion", "I approached...", "I deduce...", I suggest that "I" change to "we" even if the author is only one person.	The corrections are made.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		