



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_34591
Title of the Manuscript:	Modeling and Simulation of the Population Dynamics of Snails Biomphalaria tenagophila, in Tres Palmeras, Salta, Argentina
Type of the Article	Research Article

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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.

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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	See the attached pdf file rev2017BJMCS.pdf.	Figure 4 was added in order to show that the model for the snail number does not follow a logistic pattern. Since the accumulated number of snails does follow the logistic pattern, therefore the logistic model was used on accumulated number of snails and not in raw data. The stochastic model was described with increased detail (red). The stochastic variability was included following Renshaw's model. Details about this mathematical model were included in section "2.3. Mathematical modelling" in Materials and Methods. In conclusion, we proposed that the periodic carrying capacity has the best fit for the data in the present model. The deterministic model with a periodic carrying capacity suggested by the reviewer will be the subject of a next article.
<u>Minor</u> REVISION comments	See the attached pdf file rev2017BJMCS.pdf.	English language was checked and improved.
<u>Optional/General</u> comments	See the attached pdf file rev2017BJMCS.pdf.	