

[Review Form2](#)

Book Name:	<u>From Muds to Meds: Cockle shell-derived nanoparticles as drug carrier against breast cancer</u>
Manuscript Number:	Ms_BPR_2744
Title of the Manuscript:	From Muds to Meds: Cockle shell-derived nanoparticles as drug carrier against breast cancer
Type of the Article	Monograph

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =		

**Review Form2**

Minor REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>		
<b>Optional/General</b> comments	<b>Comments</b> 1.Authors are advised to discuss pre-formulation studies with the physical mixtures of the drug loaded nanoparticles(NPs).With one or two of these studies,Thermogravimetric Analysis (TGA), Differential scanning calorimetry (DSC), Fourier Transform Infra-Red (FTIR).It will ensure that compositions of paclitaxel and gefitinib molecules are intact even after combining with shellac cacao3 ,physically.Author can follow following article for knowledge: Castro, S.R., Ribeiro, L.N.M., Breitzkreitz, M.C. <i>et al.</i> A pre-formulation study of tetracaine loaded in optimized nanostructured lipid carriers. <i>Sci Rep</i> <b>11</b> , 21463 (2021). <a href="https://doi.org/10.1038/s41598-021-99743-6">https://doi.org/10.1038/s41598-021-99743-6</a> 2. Authors may perform a cyto-toxicity study with immortalized human epithelial kidney cell lines treating drug loaded NPs. 3. Drug release and solubility kinetics of NPs can be evaluated in relevant buffers and temperatures. 4. Authors are advised to evaluate drug loading and entrapment efficiencies of the NPs.	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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