

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_88650
Title of the Manuscript:	Phytochemical nanocarrier: a green approach towards cancer therapy
Type of the 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:

(<https://www.journaljpri.com/index.php/JPRI/editorial-policy>)

Review Form 1.6

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)
Compulsory REVISION comments	<p>The manuscript entitled “Phytochemical nanocarrier: a green approach towards cancer therapy” argued that novel drug delivery system for Phyto molecules are expected to overcome the current drawback of cancer treatment. Authors then provided an overview on current cancer therapy via phytochemicals. Phytochemicals are known to have health-promoting benefits against a broader range of ailments. This notion should be thoroughly covered in the introduction where data from the following studies should be integrated: PMID: 33338743, PMID: 32837538, https://www.scirp.org/journal/paperinformation.aspx?paperid=7085, PMID: 17151316, PMID: 21258076, PMID: 17151319, PMID: 33782460, PMID: 34202689 PMID: 32460808, https://thescpub.com/abstract/ajptsp.2006.21.25, https://doi.org/10.1186/s41936-020-00177-9, PMID: 33255507, https://doi.org/10.4236/ajps.2018.96091, PMID: 22812448, PMID: 34639131, PMID: 26034352, https://doi.org/10.3390/antiox11061125, PMID: 25584615, PMID: 31027364. It'd be useful to enrich the discussion with relevant data from patents. For example, the following patents (and/or others) may prove useful: US Patent 20210015835, US patent 20200276133, US patent 20200276133. The major setback of this rather interesting review is the lacking of many important relevant references.</p> <p>Other comments</p> <ul style="list-style-type: none">• Proofreading would be useful.• In table 1, how those “rates” were exactly determined?• Adding a schematic representation to illustrate both active and passive drug targeting would be useful.• Discussing the nanoformulation of the saffron-based carotenoid “crocin” should be integrated.• The following studies could be useful to provide a broader background of nanoparticles particularly those that are natural-based and/or those that are loaded with biomolecules: PMID: 27878253, PMID: 30999152, https://link.springer.com/chapter/10.1007/978-3-319-53880-8_3, PMID: 29872292, DOI: 10.1039/D0NA00958J. <p>Should these comments be fully addressed, the revised manuscript should then be re-evaluated for further consideration.</p>	
Minor REVISION comments		
Optional/General comments		

PART 2:

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

Reviewer Details:

Name:	Amr Amin
Department, University & Country	UAE University, United Arab Emirates