SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI Review Form 1.6

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	**Ms_JABB_27899**
Title of the Manuscript:	**Total Phenols Content and Antioxidant Power of Manuka Honey Is Related to 24hr Cytotoxicity Towards MCF-7 Breast Cancer Cells**
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:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI 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	**Manuka honey has been recognized –among others - for its potential antitumor effect and is used as a tumor inhibiting natural supplement. Its antitumor effect is poorly understood and therefore any in vitro uses or clinical trials must be considered with caution.** **1/ Why cells were incubated for 24hrs?** **2/ what was the actual concentration of the active components in the culture medium in each case?** **3/ Do authors wish to prove that this honey has tumor inhibiting properties or that it contains ingredients that kill breast cancer cells [necrotic effect]. It is unclear to me** **4/ I would like to see microscopic images from those cultures to see how cells die. Does this honey drives cancer cells to death via an apoptotic pathway, produces necrotic effects in culture or simply inhibits cell attachment and movement?**	
Minor REVISION comments		
Optional/General comments	Natural products used for their antitumor properties is best to be used in primary cultures of cancer cells. Cell lines have their specific identity in contrast to cancer cells extracted directly from a primary tumour. The main goal is to find tumour suppressive or driving to apoptosis natural products. Cell death due to necrotic effects is not a choice	

Reviewer Details:

Name:	**Evangelos Marinos**
Department, University & Country	**Lab of Biology, School of Medicine, University of Athens, Athens, Greece**