Reviewer's report

Title: Daucus carota pentane-based fractions arrest the cell cycle and increase apoptosis in MDA-MB-231 breast cancer cells

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Reviewer: Shubhankar Suman

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Manuscript titled “Daucus carota pentane-based fractions arrest the cell cycle and increase apoptosis in MDA-MB-231 breast cancer cells” aims at analyzing cytotoxicity and cell death related marker protein expression in breast cancer cells after administration of Daucus carota pentane based fractions. Unfortunately, with the current presentation it is difficult to understand, completely evaluate, or appreciate this manuscript. Specific comments are listed below:

1. Cell lines described in the M& M, results and Figure legend are breast cancer lines (MCF7 and MDA-MB-231), however the figure-1A, 1B; figure-3 and figure-4 is shown for HT-29 and Caco-2 (colorectal cancer cells).
2. No cell line details are given for Figure-2, -5, -6 and 7 in the figure, but in legend section it indicates the use of MDA-MB-231 cells.
3. Figure legends: Figure-4B is missing.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

No competing interests with the present work.