

Antiproliferative activity, apoptotic induction, cell cycle arrest and p53 expression for dual herbal combination of *W. somnifera* with three Rasayana herbs: *In vitro* cytotoxic study against Jurkat cells

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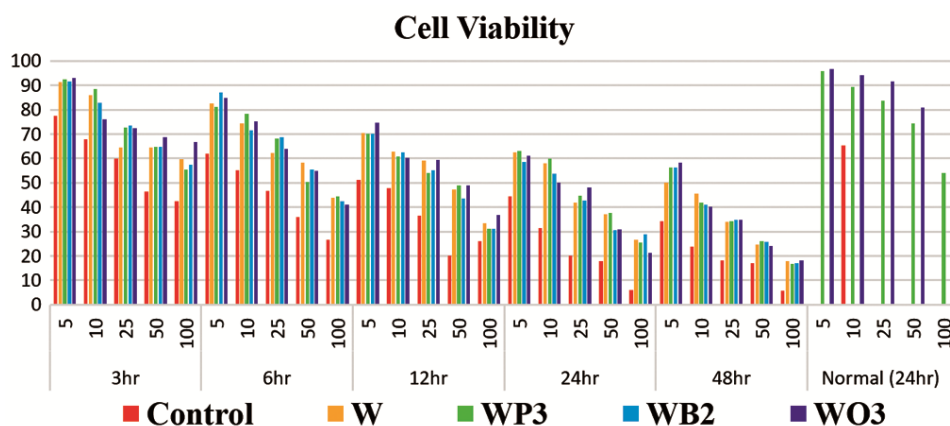
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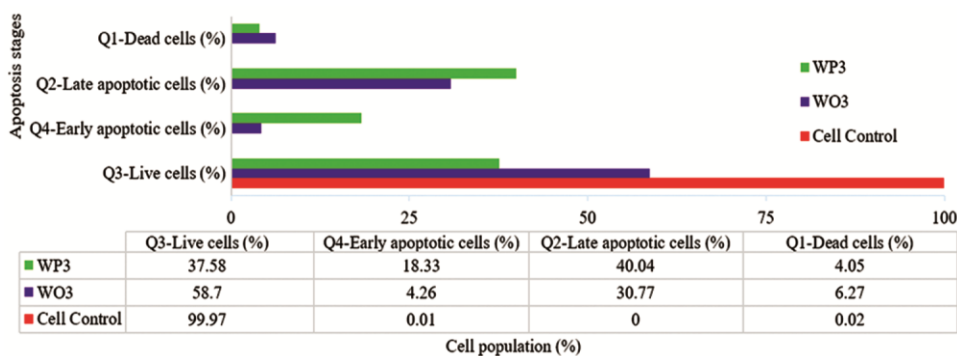
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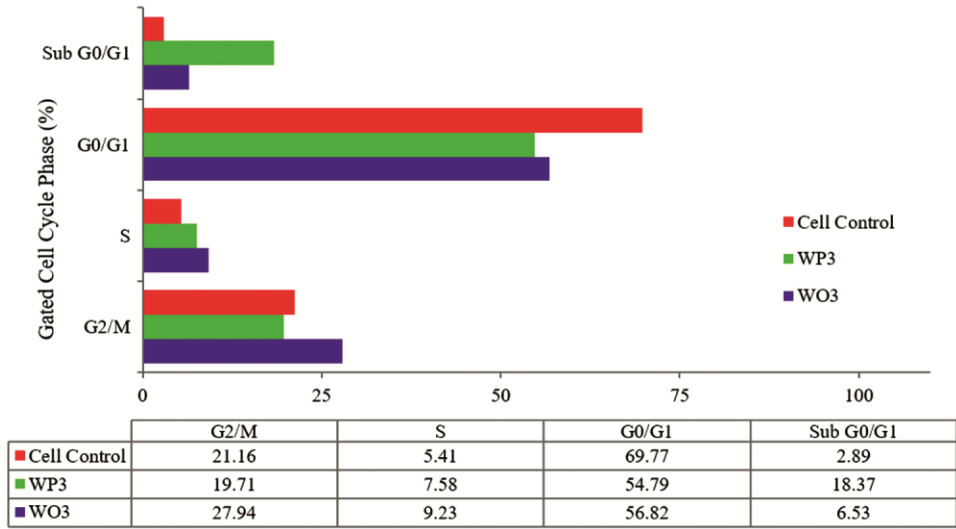
Supplementary Data



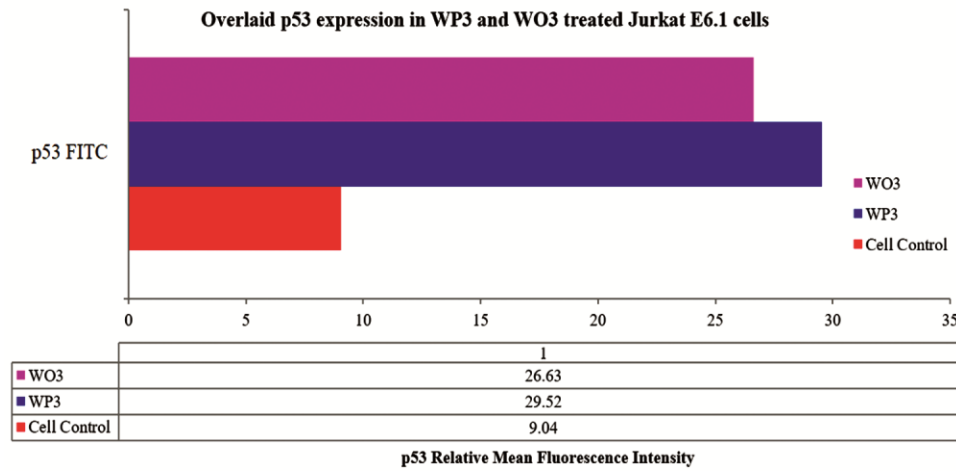
Supplementary Fig. S1 — Evaluation of Methanolic Combinatorial Extracts on Jurkat and PBMC Viability Using MTT Assay: Normal PBMCs were exposed to WP3 and WO3 for 24 h. Jurkat cells were treated with methanolic extracts of *W. somnifera* (W) and dual herbal combinations WP3, WB2, and WO3, alongside the positive control, Cladribine, for 3, 6, 12, 24, and 48 h. Results are presented as Mean \pm SD from triplicate experiments (n=3)



Supplementary Fig. S2 — Graphical representation of cells undergoing the stages of apoptosis involving untreated control cells and methanolic combinatorial extracts WP3 and WO3 (20 μ g/mL) on Jurkat cells for 24 h treatment



Supplementary Fig. S3 — Bar graph shows the % of cells get arrested after the methanolic combinatorial extract WP3 and WO3 (20 µg/mL) for 24 h treatment in the different stages of the JURKAT cells compared to cell control and overlay of the results plotted above along with the data table



Supplementary Fig. S4 — Graphical representation of the mean fluorescence intensity values of p. 53 against the untreated, WP3 and WO3 treated Jurkat Cells. Overlay of the results was plotted in the bar graph as above along with the data table