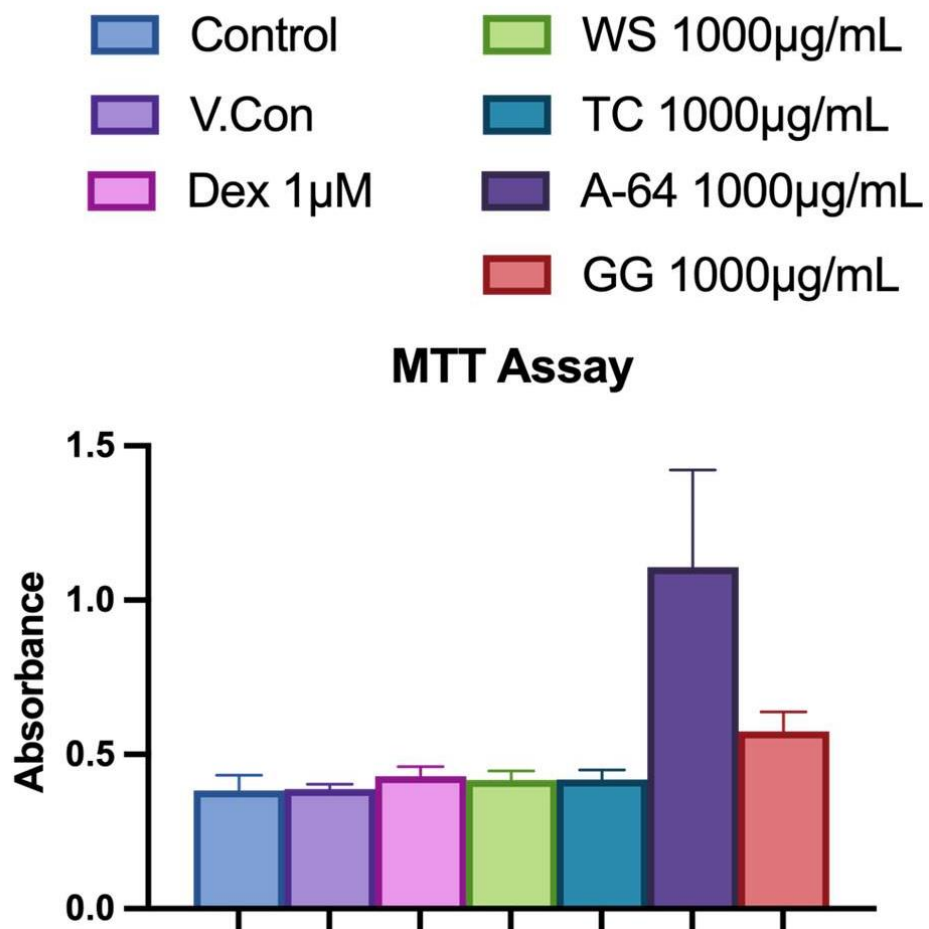
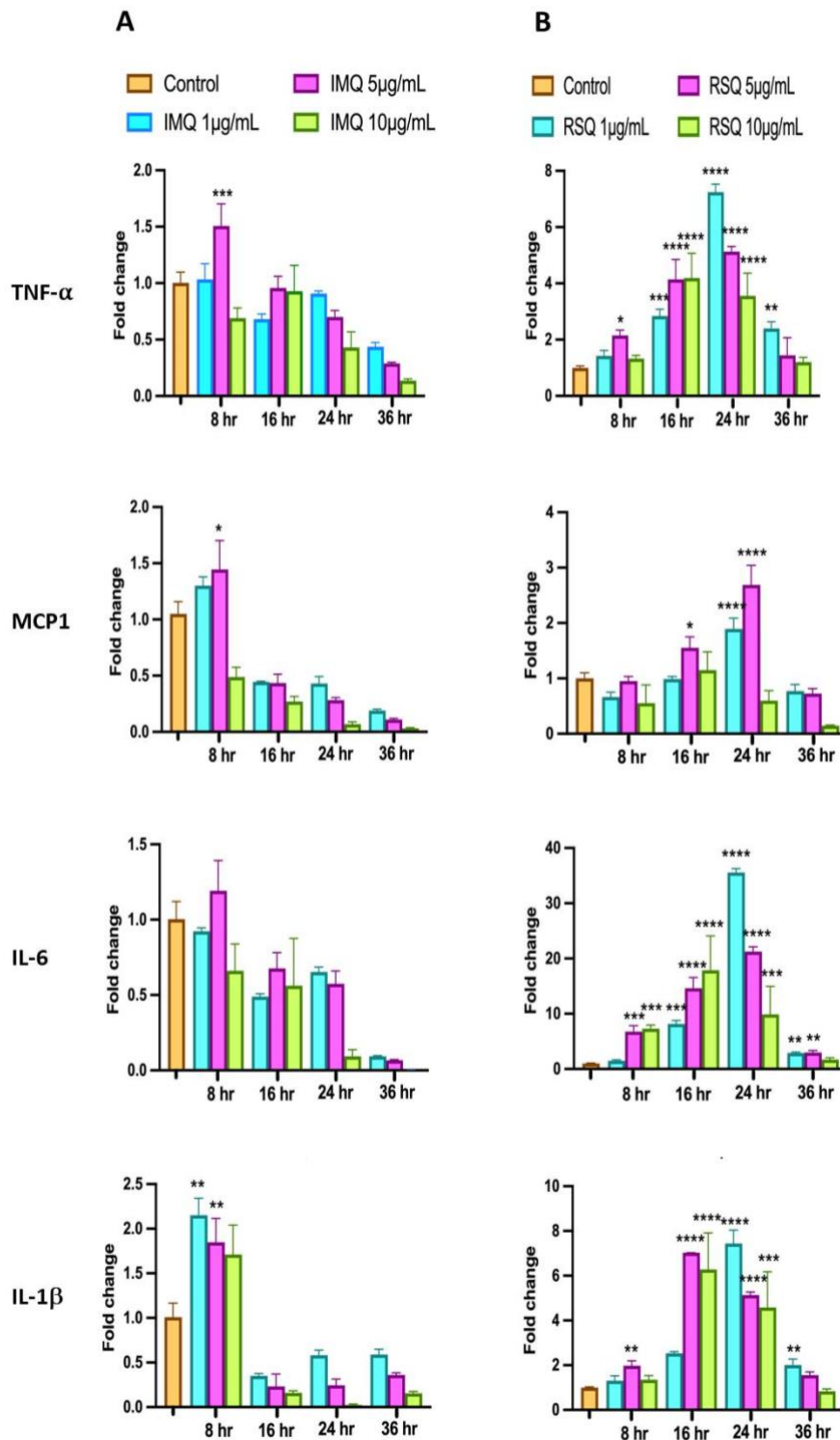
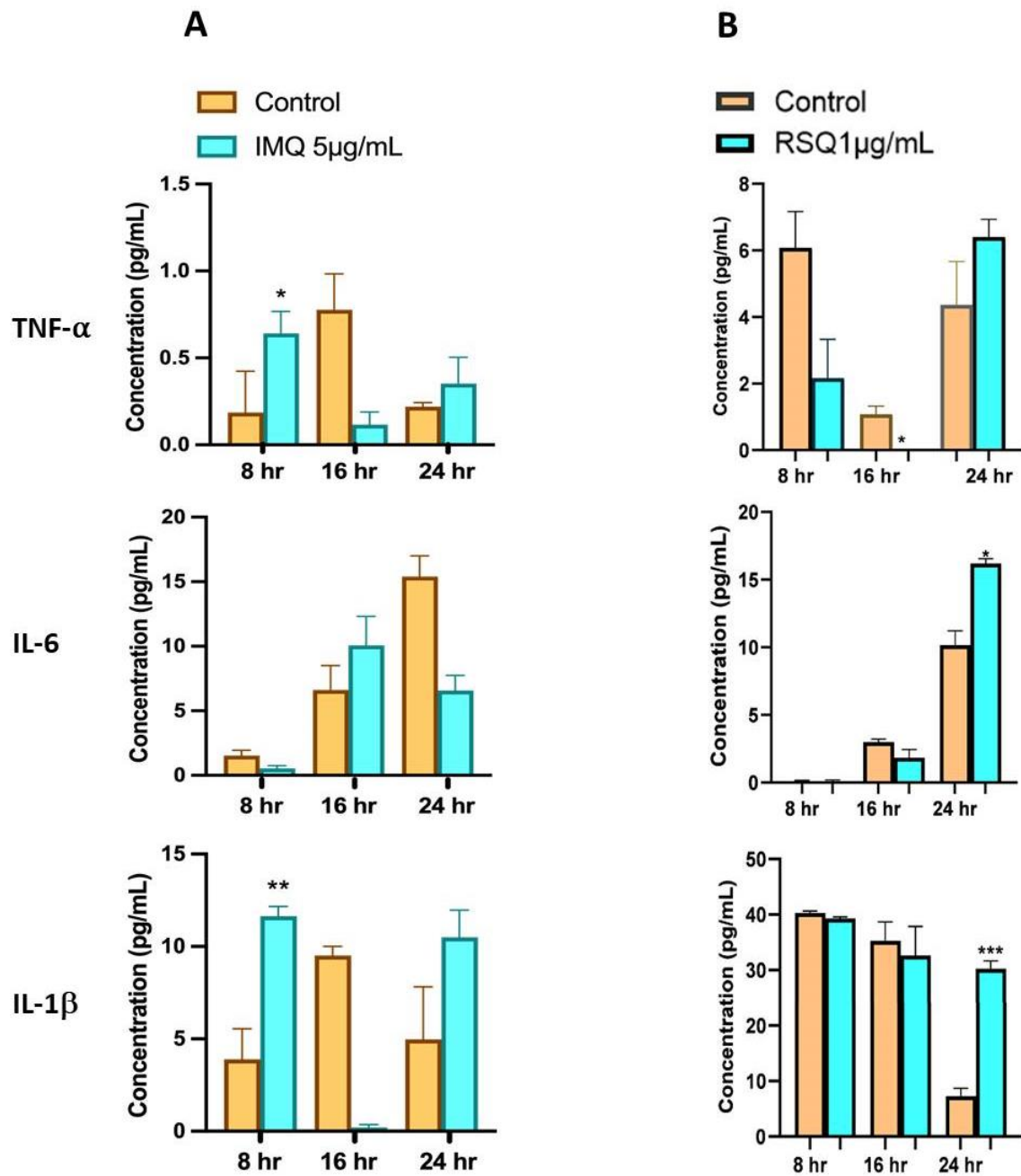




Supplementary Figure 1: Effect of AYUSH extracts on cell viability: Bar graph depicting the effect of the investigated herbal extracts at 1000µg/mL concentration. Dexamethasone (1µM) was included as reference control as it was used in subsequent efficacy experiments at significantly lower concentrations to mitigate excess cytokine response in IMQ/RSQ induced macrophage-like cells. The data are expressed as mean $\pm$ SEM.



Supplementary Figure 2: Time-dependent effect of TLR7/8-induced cytokine gene expression: Inflammatory cytokines including TNF- α , MCP1, IL-6, IL-1 β , and CXCL10 genes were investigated for changes in their gene expression after induction with IMQ (A) and RSQ (B) at three different concentrations (1 μ g/mL, 5 μ g/mL and 10 μ g/mL) over a range of time (8, 16, 24 and 36 hours). All p-values were determined with respect to untreated control cells. All data are expressed as mean $\pm$ SEM.



Supplementary Figure 3: Temporal effect of TLR7/8-induced secreted cytokine levels: Levels of TNF- α , MCP1, IL-6, and IL-1 β cytokines investigated in 5µg/mL IMQ (A) and 1µg/mL RSQ (B) induced macrophage-like cells at three different time points – 8, 16 and 24 hours. All p-values were calculated with respect to untreated control cells. All data are expressed as mean $\pm$ SEM.