

## Supplementary Material

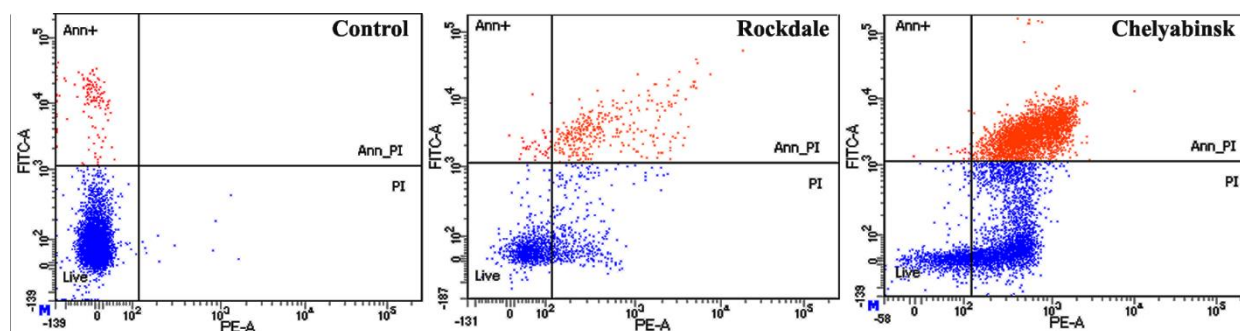
# Comparative Toxicity of Fly Ash: An in Vitro Study

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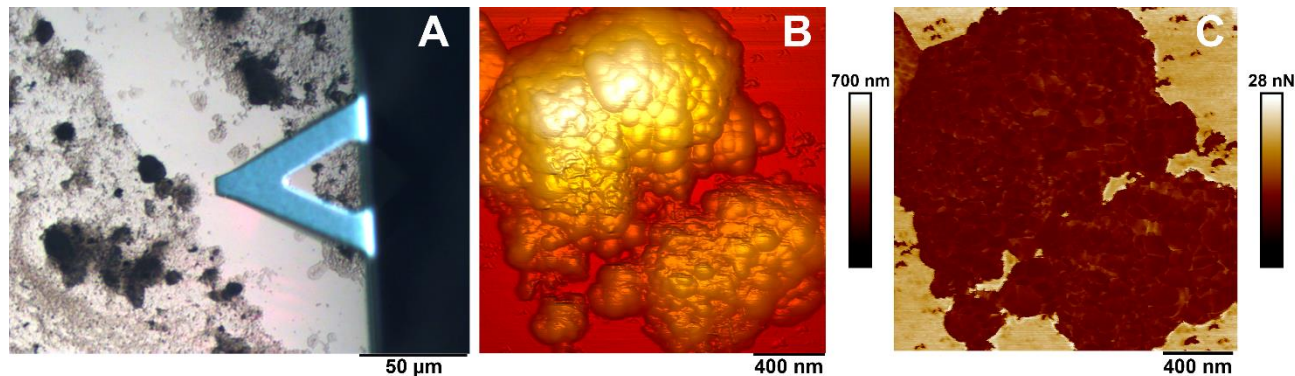
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**Figure S1.** Flow cytometry data demonstrating the viability of Jurkat cells stained with Annexin V-FITC (apoptotic cells) and propidium iodide (dead cells) dyes. The data demonstrates the weak induction of early apoptosis and high induction of later apoptosis and necrosis in cells incubated with fly ash.



**Figure S2.** AFM images of fly ash from Chelyabinsk. Cantilever approaching the fly ash sample (image obtained with the optical camera of the microscope) (A); surface topography of Chelyabinsk fly ash particles (B); non-specific adhesion of the fly ash particle surface (C).