

Supplementary information to:

Original article:

**SYNERGISTIC EFFECTS OF METFORMIN AND CURCUMIN ON
CYTOTOXICITY OF CHEMOTHERAPY DRUGS USING A GASTRIC
CANCER CELL LINE MODEL**

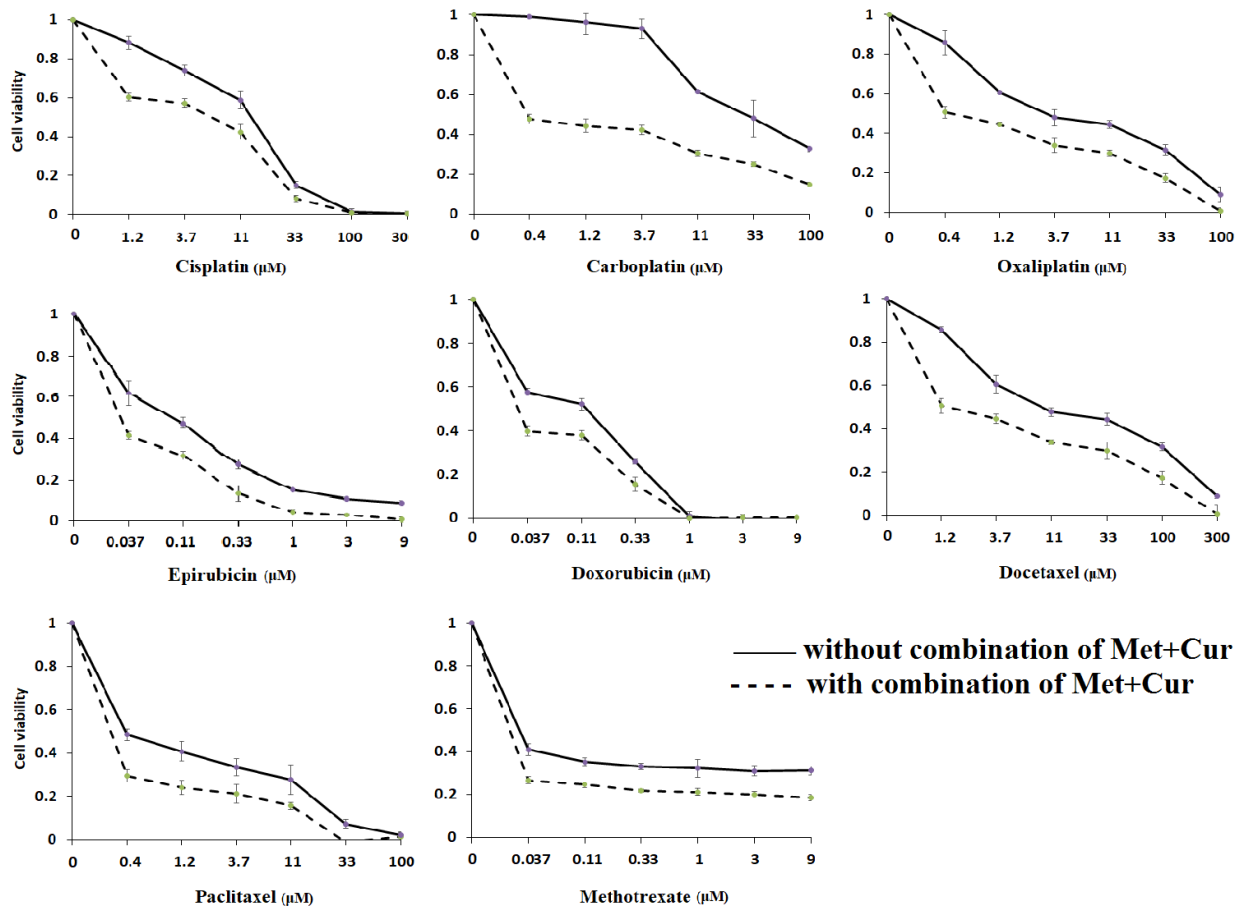
Ehsan Zarei , Youssof Sefidi-Heris, Iraj Saadat* 

Department of Biology, College of Sciences, Shiraz University, Shiraz, Iran

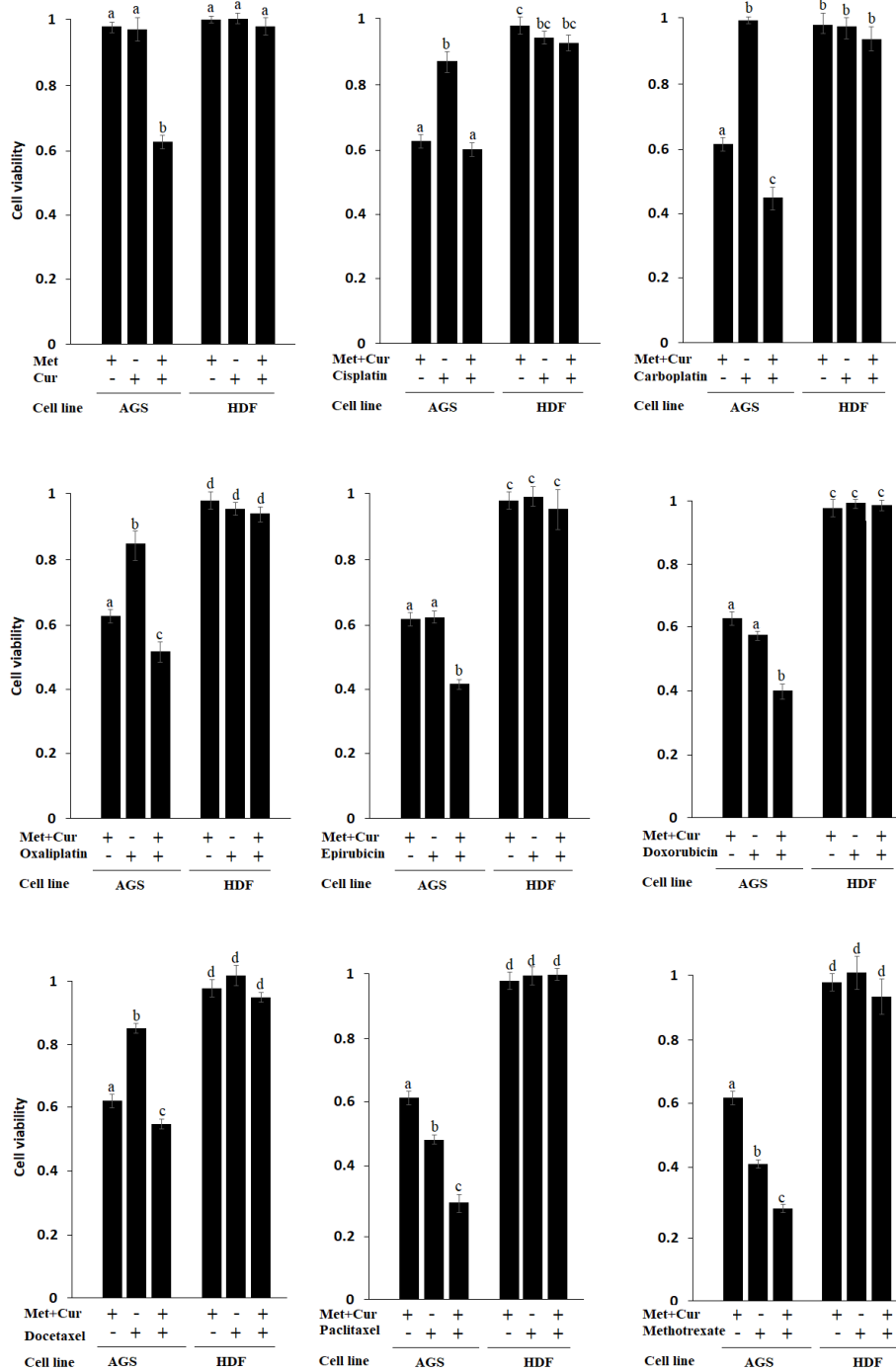
* **Corresponding author:** Iraj Saadat, Department of Biology, College of Sciences,
Shiraz University, Shiraz 71467-13565, Iran. Tel: +98 71 36137435,
E-mail: isaadat@shirazu.ac.ir

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Supplementary Figure 1: AGS cell line viability (mean \pm SD) after treatment with 3-fold serial dilutions of anticancer drugs with or without combination of metformin (Met) 0.625 mM + curcumin (Cur) 1 μM for 72 hours. Met+Cur significantly increases the cytotoxic effects of anticancer drugs. All experiments were carried out independently in triplicate.



Supplementary Figure 2: Treatment of cancerous AGS and normal HDF cells with metformin (Met), curcumin (Cur), Met+Cur, and anticancer drugs (with and without combination of Met+Cur) for 72 hours. Met, Cur, cisplatin, carboplatin, oxaliplatin, epirubicin, doxorubicin, docetaxel, paclitaxel, and methotrexate were used at final concentrations of 0.625 mM, 1 μM, 1.2 μM, 0.4 μM, 0.4 μM, 37 nM, 37 nM, 1.2 μM, 0.4 μM, and 37 nM, respectively. Statistical analysis was performed using one-way ANOVA with Duncan's post-hoc test. Analysis indicates an increase in the specific cytotoxicity of anticancer drugs in the presence of Met+Cur. All experiments were done independently in triplicate. In each panel, a similar alphabet does not imply statistical significance.